EIGHTH ANNUAL REGISTER

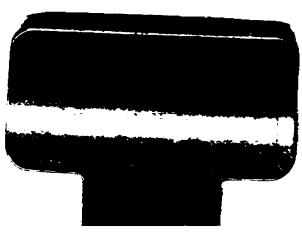
OF THE

NEVADA STATE UNIVERSITY

LOCATED AT RENO

1894--95.

CARSON CITY, NEVADA:
STATE PRINTING OFFICE. : : : J. G. McCARTHY, SUPERINTENDENT.
1895.



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TYPOGRAPHICAL
UNION LABEL
WASHOE, Nº 65

THE REGENTS OF THE UNIVERSITY.

The Hon. HENRY L. FISH (1893-97)----------Reno
The Hon. W. E. F. DEAL (1895-99)----------Virginia City
The Hon. H. S. STARRETT (1895-97)----------Austin

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UNIVERSITY CALENDAR.

1895.

January 2	Wednesday	Second term begins.
March 18	Monday	Third term begins.
April 27	Saturday	Cadet encampment one week.
May 27	Monday	Examinations one week.
June 3	Monday	Field day.
June 4	Tuesday	Thesis day.
June 5	Wednesday	Commencement State Normal School.
June 6	Thursday	COMMENCEMENT.
August 27	Tuesday	Entrance examinations begin.
August 28	Wednesday	Registration of students.
August 29	Thursday	Instruction begins.
November 28	Thursday	Thanksgiving recess.
December 1	Sunday	
December 23	Monday	First term ends.

1896.

January 8	Wednesday	Second term begins.
February 22	Saturday	Washington's birthday.
June 4	Thursday	COMMENCEMENT.

FACULTY AND INSTRUCTORS.

JOSEPH EDWARD STUBBS,
President of the University, Professor of Psychology and Ethics, Instructor in German.
B.A., The Ohio Wesleyan University, 1873; M.A., 1876; Honorary D.D., German Wallace College, 1890.

HANNAH KEZIAH CLAPP,
Preceptress and Librarian.
M.A., Nevada State University, 1888.

WALTER McNAB MILLER,
Professor of Anatomy, Physiology and Geology.
B.Sc., The Ohio State University, 1885.

ROBERT DYAS JACKSON,
Professor of Mining and Metallurgy.
Ph.B., The University of California, 1882.

JOHN WARNE PHILLIPS,
Professor of Chemistry and Physics.
B.S., Princeton College, 1884; D.Sc., Princeton College, 1889.

FRED HEBARD HILLMAN,
Professor of Botany and Entomology and Instructor in Free hand Drawing.
B.Sc., Michigan Agricultural College, 1888; M.Sc., 1891.

MARY WHITESIDES EMERY,
Professor of Pedagogics and Principal of the State Normal School.
M.A. in Pedagogics, Nevada State University; Illinois State Normal School.

ROBERT LEWERS,
Secretary of the Faculty, Professor of Political Economy and Principal of the Commercial School.

RANSOM H. McDOWELL,
Professor of Agriculture and Horticulture.
B.Sc., Michigan Agricultural College, 1874.

NATHANIEL ESTES WILSON,
Professor of Agricultural Chemistry and Chemist for the Experiment Station.
B.S., Maine State College, 1888; M.Sc. Maine State College, 1893.

THOMAS W. COWGILL,
Professor of English and History.
B.A., Harvard University, 1888; M.A., Vanderbilt University, 1888.

RICHARD BROWN,
Superintendent of the Department of Practical Mechanics, Buildings and Grounds.

HENRY THURTELL,
Professor of Mathematics and Mechanics.
B.Sc., Michigan Agricultural College, 1888.

JAMES EDWARD CHURCH, JR.,
Associate Professor of the Latin Language and Literature.
B.A., The University of Michigan, 1892.

WILLIAM REEVES HAMILTON,
Professor of Military Science and Tactics, Applied Mathematics, Civil Engineering.
First Lieutenant, Fifth United States Artillery; M.Sc,, DePauw University, 1882.

FREDERICK STADTMULLER,
Instructor in Physics and Chemistry.
B.Sc., Nevada State University, 1892.

CHARLES PELEG BROWN,
Instructor in Mineralogy.
B.Sc., Nevada State University, 1892.

THE REV. SAMUEL UNSWORTH,
Instructor in the Greek Language and Literature.
B.A., St. Stephens College, 1875; M.A., 1878; S. T. B. General Theological Seminary, 1878.

KATE BARDENWERPER,
Critic Teacher in Training School.
Graduate California State Normal School, 1879.

ESTELLA BERNICE EDE,
Critic Teacher in Training School.
Graduate Nevada State Normal School, 1892.

SPECIAL INSTRUCTORS.

THE REV. MILA TUPPER MAYNARD,
German and Literature.
B.L., Cornell University, 1889.

ROBERT DARLING,
Veterinary Science.
V.S., Faculty of Comparative Medicine, McGill University, Montreal, Canada, 1889.

MRS. B. F. LAYTON,
Vocal Music.
Boston Conservatory of Music.

THE STANDING COMMITTEES.

DISCIPLINE—Professors Miller, Jackson, Hamilton, Emery, Clapp.
DOUBTFUL CASES—Professors Jackson, Miller, Emery, Thurtell, Church.
ENTRANCE EXAMINATION—Professors Thurtell, Cowgill, Lewers.
LIBRARY—Librarian Clapp, Professors Hillman, Cowgill.
LITERARY SOCIETIES—Professors Cowgill, Church, Emery.
ATHLETICS—Professors Phillips, Hamilton, Wilson.
BUILDING AND GROUNDS—Superintendent Brown, Professors McDowell, Wilson.
RECORDS AND GRADES—Professors Lewers, Jackson, Brown.
MILITARY INSTRUCTION—Professors Hamilton, Phillips, Emery.
UNIVERSITY EXTENSION—Professors Hillman, Cowgill, Miller.

UNIVERSITY LECTURES.

The following public lectures have been given within the academic year 1894-95:

President KELLOGG, University of California—"The Proper Functions of a State University."

President JORDAN, Leland Stanford Junior University—"The Uses of State Universities."

President STUBBS, Nevada State University—

(1) "The Ethics of Applied Science."

(2) "Practical Ethics" (a course of six lectures).

Professor MILLER—"The Typical College Student."

Professor JACKSON—"Natural Forces."

Professor HILLMAN—"Agricultural Science in America."

Professor EMERY—"Possibilities of School Life."

Professor LEWERS—"Recollections of the White City."

Professor WILSON—"The Adulteration of Foods."

R. L. FULTON, Esq.—"From Trail to Rail; or, The Development of the Transportation System."

Professor COWGILL—"Some of Milton's Critics Criticised."

Rev. MILA TUPPER MAYNARD—"A Pilgrimage to Concord."

Professor THURTELL—"The Nebular Hypothesis."

Professor HAMILTON—"The Evolution of the Sword."

Librarian CLAPP—"The Living Present."

ORGANIZATION, EQUIPMENT AND ADMINISTRATION.

FOUNDATION.

The Nevada State University is the head of the educational system of the State of Nevada. It is the only institution of university or college grade and equipment within the State. The Constitution of Nevada declares that "the Legislature shall encourage, by all suitable means, the promotion of intellectual, literary, scientific, mining, mechanical, agricultural and moral improvement," and shall provide for "the establishment of a State University, which shall embrace departments for agriculture, mechanic arts and mining." The University was first located at Elko by a law approved March 7, 1873, but was removed to Reno by an Act of the Legislature approved March, 1885, and was formally reopened March 31, 1886. The support of the University is adequately provided for under the beneficent provisions of the General Government to enable "each State and Territory to maintain at least one college, where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and mechanic arts;" and further by means of biennial appropriations from the Legislature of the State.

SCHOOLS OF INSTRUCTION AND TRAINING.

The organization of the University comprises the following schools of instruction and training which aim to meet the modern standard requirements of a College of Liberal Arts and Science, a College of Applied Science and a State Normal School:

1—The School of Liberal Arts.
2—The School of Mines.
3—The School of Agriculture.
4—The School of Mechanics.
5—The School of Civil Engineering.
6—The School of Industrial Arts.
7—The State Normal School.

PREPARATORY SCHOOLS.

In order to supply the need of good secondary and business education for that large class of young people in the State who do not live within reach of the advantages of a high school, the University maintains two preparatory schools of high grade in respect of both discipline and instruction—

1. The University Academy, which has a three-years' course of study arranged with particular reference to the University courses.

2. The University Commercial School, which aims to give, by means of a two-years' course of study in the fundamental branches of common school instruction, along with bookkeeping, stenography and typewriting, quick and thorough preliminary training for a business occupation.

AFFILIATED HIGH SCHOOLS.

The principals of the leading high schools have signified their purpose to prepare students for the University courses, and will meet, so far as possible, the University requirements for admission. All such schools will be designated as "Affiliated High Schools," and their graduates will be admitted upon certificate. The University will promote harmony of action and co-operation between its Faculty and the

principals of high schools, with a view to advancing the interests of secondary and higher education in the State.

ADVANTAGES OF SITUATION.

Reno, the seat of the University, is a thriving town of six thousand inhabitants, situated in the beautiful Truckee valley, and at the junction of three railroads, namely, the Southern Pacific Company, a trunk line between the East and the West, the Virginia and Truckee railway, and the California-Nevada-Oregon railway. The noble mountains which girdle the valley, the salubrious air, and the soft sunshine give the town an enviable reputation for health and beauty. Excellent public schools, churches of all the leading denominations, both Catholic and Protestant, a moral and cultured community, offer here the proper conditions for the prosperity and development of University life and work.

BUILDINGS AND GROUNDS.

The University Campus has an area of from thirty-five to forty acres, and is beautifully located on an eminence overlooking the city. There are five buildings now in use, two buildings in process of erection, and two others for which plans have been made.

MORRILL HALL.

Morrill Hall is a three-story brick building with a large basement. The office of the President of the University, the library and the physical laboratory occupy the first floor. Class rooms for the languages, history and mathematics occupy the second floor, while the third floor is given to the use of the University Commercial School. The basement has one of the chemical laboratories, the armory and a study room for young women.

STEWART HALL.

Stewart Hall is also a three-story and basement structure. The first floor is occupied by the professional and training departments of the State Normal School. Upon the second floor are general class rooms and the office of the Regents of the University. Assembly Hall on the third floor is the general lecture room of the University. The basement is in use for the present as a refectory.

HATCH STATION.

Hatch Hall was built by the State for the sole use of the Experiment Station, which is supported by the General Government for the purpose of original investigation in the various subjects related to scientific and practical agriculture. The laboratories of the Professor of Agriculture and of the Station Chemist and the station library occupy the first floor. The rooms of the Botanist and Geologist have the second floor. The laboratory for physiology and bacteriology is in the basement story.

MINING LABORATORY.

The Mining Laboratory contains the metallurgical laboratory, the chemical laboratories of the School of Mines, the mineralogical laboratory and one class room. All these laboratories are fully equipped. The assay office has accommodations for twelve students and the quantitative chemical laboratory for sixteen students. Any citizen of the State may send mineral specimens to the Mining Laboratory and have determinations and analyses made of the same free of cost, but assays of gold and silver are not permitted under the statute. A small stamp mill and a smelter add practical value to the equipment of the Mining Laboratory.

THE WORKSHOP.

The mechanical workshop is a frame building which has been adapted to the present needs of the department of practical mechanics. The ground floor is applied to the use of the machine shop, the blacksmith shop and the boiler room. The carpenter shop and wood carving room occupy the second floor. The carpenter shop is fitted up with twenty-four benches and an equal number of lockers.

Each locker contains the following tools: One rip saw, one crosscut saw, one hack saw, one bench saw, one set Bailey's planes, one set of chisels, one oil stone, one scratch awl, one steel square, one bevel, one two-foot rule, one pair dividers, one hammer, one mallet, one marking gauge, one drawing knife, one set of awls, one set of screwdrivers, one nail set, two try-squares and one broad hatchet. The tool room is provided with every needed variety of wood-working tools. The machine shop is furnished with wood-working and iron-working machines, such as lathes, planers and all kinds of small machine tools of the best make. The blacksmith shop has forges and tools of every kind. A twenty-horse-power steam engine supplies ample power.

LINCOLN HALL.

The State Legislature at its last session, recognizing the importance of placing the benefits of the University within the reach of all the deserving young men and young women of the State, authorized the building of two Student Halls, after the plan of such halls in use by the students of the larger Eastern colleges, and appropriated thirty-five thousand dollars for the purpose. The first of these two buildings is now under contract. It will be known as "Lincoln Hall," and will be a tasteful and comfortable home for at least one hundred young men. The plans of Lincoln Hall have been drawn after a careful study of the best modern college halls and seem to meet every requirement of a cultivated taste.

"THE COTTAGE."

The second building, named for the present "The Cottage," is designed to be a delightful home for young women. It is located upon the plaza in the southeast part of the campus, and overlooks the town and the valley. The construction material is brick and granite. The architectural features are those of a commodious private dwelling. Besides the single and double rooms, which are sufficient for forty young women, there is a reading room and a parlor for the students and a private parlor and sitting room for the preceptress.

GYMNASIUM AND HOSPITAL.

Plans have been considered for the erection of two other buildings at an early day, namely, a gymnasium and a small hospital. Both of these are very much needed. The students have already raised quite a fund toward the gymnasium.

THE LIBRARY.

The library contains about three thousand bound volumes and two thousand five hundred pamphlets. The books have been selected with particular reference to the requirements of the several departments of study. There is a very complete and serviceable collection of the latest and best books of reference. The reading-room is supplied with daily and weekly newspapers and with many of the best literary and scientific periodicals. Many of the papers are furnished to the University through the kindness of their publishers. The library is open from eight o'clock in the morning until four in the afternoon, all days that the University is in session.

THE LABORATORIES.

There are six laboratories—three chemical, one mining, one physical and one physiological laboratory. The chemical laboratories are fully equipped for instruction and investigation. They have private laboratories, store rooms and balance rooms attached. Each student is assigned a locker containing a set of apparatus sufficient for the needs of the course, for which he is responsible, and which must be accounted for at the end of the course. There are no laboratory fees. A charge is made for breakage only. The physical laboratory is supplied with apparatus sufficient to illustrate all important phenomena. The physiological laboratory is equipped with dissecting tables, trays, sinks, artificial respiration apparatus, compound microscopes, dissecting microscopes, microtomes, turntables, mounting

material, chemicals, balances, etc. The bacteriological laboratory has modern apparatus, such as incubators, steam sterilizers, hot air sterilizers, serum inspissators, microscopes, etc.

SCIENTIFIC COLLECTIONS.

On account of a serious lack of room the University has been unable to make satisfactory provision for its scientific collections, and furthermore has been unable to enlarge the present mineralogical, geological and botanical collections. As soon as the new buildings are completed plans will be carried out for the proper housing of the scientific collections, so that the Museum will be not the least important feature of department work. Friends of the University living in localities where minerals, ores or natural history specimens may be secured are requested to correspond with the President of the University. All contributions will be recorded and properly acknowledged.

THE ACADEMIC YEAR.

The academic year of forty weeks begins the last week in August and closes the first Thursday in June. The year is divided into two terms by the holiday vacation. Examinations are held at the close of each of the two terms.

GOVERNMENT OF THE STUDENTS.

In the government of the University the largest liberty consistent with good work, good order and good character is given the students. There is no formulated code of laws governing their conduct. Their habits of life are expected to be such as to promote daily cultivation of high moral character. They are expected in all their relations to each other and to the University to observe the usages of good society without requiring special regulations for that purpose. They are expected to be punctual and regular in their attendance upon all University exercises. The State provides its bounty for the earnest and industrious student. The indolent or the unworthy will not be retained in the University.

THE FACULTY.

The Faculty consists of the President, professors, associate professors, assistant professors and instructors. Its routine work is divided among the several standing committees. The Faculty also acts as an advisory body on any questions of general policy that may be submitted to it by the President or the Regents.

STUDENT ORGANIZATIONS.

There are several organizations among the students which have for their object mutual helpfulness and improvement. Among these are the Athletic Association, The Student Record Publishing Association and the Adelphi Literary Society. A new organization which has for its object the maintenance of good order and discipline has recently been effected by the young men of the University. It is intended to develop the quality and power of self government among the young men of the University, and has the active sympathy and co-operation of the Faculty.

EXPENSES OF LIVING.

The liberal provision made by the State enables the Regents of the University to extend the benefits of the University to all classes of students. There is no charge for tuition; there are no laboratory fees. Sixteen dollars a month will cover all expenses of board, room, light and fuel.

TRAVELING EXPENSES.

The railways of the State are generously co-operating with the Regents of the University by giving reduced rates to students when traveling to and from their homes and the University. The Southern Pacific Company, the Nevada-California-

Oregon and the Eureka and Palisade railways will sell tickets to students at one-half the usual local rate. To obtain the benefit of the half rates the student must accompany his application for a ticket with a certificate from the President of the University. These certificates may be obtained by writing to the "President of the State University, Reno, Nevada." The Virginia and Truckee railway has reduced rate tickets in force which may be purchased without a certificate, but will sell special half-rate tickets to students over the Carson and Colorado railway.

PERSONAL EQUIPMENT.

Students who reside in one of the University halls will be expected to furnish sheets and other suitable bedclothing for their beds; also towels and table napkins.

MILITARY SCIENCE AND TACTICS.

This department is in charge of a commissioned officer of the United States Army, detailed by the War Department to teach military science and tactics to the male students of the University. All the students are required to receive instruction, both theoretical and practical, unless they are physically disqualified. The theoretical instruction consists of recitations in tactics and on the elementary principles of the art and science of war, and of lectures given by the professor on the following topics: Organization and administration of the army, proper employment of the different arms of the service, grand tactics, strategy, etc.

The practical instruction consists of company and battalion drills of infantry, sighting and aiming drills, small arms, signal drill, target practice, practice marches, reconnoissance, castramentation, guard duty and different military ceremonies. All of the instruction is given under the personal supervision of the officer.

A neat military uniform is worn by the male students when in performance of military duty. The cadet officers and non-commissioned officers are appointed by the commandant, and exercise command at drills and at all military ceremonies the same as in the regular army. An adequate parade ground is provided for all military exercises. The equipment for the use of the cadets is furnished by the Ordnance Department at Washington.

Much interest is manifested by the young men in this department, and its scope and extent will increase as the number of students increase. The names of the students graduating highest in this department are inserted in the Army Register. In the event of the appointment of civilians to fill vacancies, a graduate of a University where military instruction is given will, all other things being equal, be preferred to any other citizen candidate.

GOVERNMENT OF UNIVERSITY CADETS.

1. The young men of the Nevada State University are organized into a battalion. They are known as the University Cadets.
2. The instruction, both practical and theoretical, is given under the personal direction of the Professor of Military Science and Tactics.
3. The military instructor is under the general authority of the President of the University.
4. The instruction is in the United States Army Drill Regulations, the art and science of war, and in lectures given by the commandant.
5. Cadets are obliged to respect and obey the military instructor for the purposes of discipline and good order, obedience being the prime duty of a soldier.
6. All cadets of the University are, during their attendance at the University, required to dress in a prescribed uniform, the uniform being decided by a majority vote of the cadets.
7. All the young men must become members of the military organization, and must drill and attend lectures and recitations, unless they are physically disqualified to perform the duties of a soldier.
8. All uniforms are of one quality.

9. All cadets are required to appear at all times in clean clothing, properly shaved, with hair neatly trimmed and with shoes polished. White cotton gloves must be worn at drills and exercises.

10. The arms and accouterments, when issued to cadets, must be kept clean and in good order. Instruction is given concerning the care of the rifle. The arms are kept in racks at the University.

MISCELLANEOUS.

SCHOLARSHIPS.

The friends of education, and particularly the friends of this University, are urged to consider the founding of scholarships. There are many unusually competent young men and young women in the State whose subsequent life would be made eminently useful to their generation by means of the discipline of a University course, but whose financial resources are inadequate to obtain it for them. This University is straining every nerve to provide for such cases, but its ability to do so is far less than the worthy demands made upon it. No means of perpetuating a helpful and elevating influence is at all comparable to that which provides a permanent fund, the proceeds of which shall be devoted to educating the young through the growing centuries. One thousand dollars will establish a scholarship, the annual interest of which will enable its recipient to pay his necessary expenses while pursuing his studies.

WANTS OF THE UNIVERSITY.

The attention of the friends of higher education and of the State of Nevada is respectfully called to the fact that the State University offers an opportunity for wise beneficence where the results will be large and early. It is a serious mistake not to regard the State University as a noble object for private benevolent endowment. Its work is the praise of those who are competent to pronounce upon its character, but yet its facilities must be greatly increased in order that it may fulfill its mission. Among its most pressing needs we mention the following:

1. Funds for the endowment of scholarships and fellowships.
2. An astronomical observatory.
3. A natural history building.
4. A small hospital building.
5. Large additions to its library.
6. A gymnasium.

GENERAL ASSEMBLY.

A general assembly of all the students of the University and of all the members of the Faculty is held every Wednesday at 11:45 A. M. This is the lecture hour of the week, and is under the special direction of the President of the University. These weekly lectures are given not only by the members of the Faculty, but also by men and women of special eminence in particular fields of study and travel and business enterprise.

AID TO STUDENTS.

It is the purpose of the officers of the University to aid meritorious students of limited means so far as it lies in their power. Almost all of the work in and about the University buildings and grounds is now done by students. The skill that the young men acquire in the carpenter and the machine shop enables them to do most of the repairing and building required on the grounds. Young women are favored wherever possible with such work as typewriting, copying and housework. It is to be remembered that the power to favor students with self-help is limited by circumstances, and therefore students can hardly expect to earn enough to pay all their expenses while pursuing their studies.

I.—ADMISSION, ATTENDANCE AND GRADUATION.

REGISTRATION.

At the beginning of each term each student must register in person at the President's office. New students will report at the President's office at nine o'clock A. M. of the day preceding the firs. day of the term, as stated in the University calendar, to register for examination for admission. At the beginning of the collegiate year students register for the work of the whole year, and no changes can be made except by permission of the Faculty. No credit will be allowed for work not registered, except by special permission of the Faculty; the required work of the student is based on the average of twenty class hours (forty-five minutes each), or of sixteen full hours per week. On account of the numerous laboratory and workshop courses it is necessary to adhere to the class hour of forty-five minutes, and to divide large classes into sections for recitation. Every hour for which credit is given is understood to represent approximately, for the average student, three hours of actual work each week through one term. Thus, in lecture or recitation work, one hour is allotted to the lecture or recitation, and from one and a half to two hours for preparation or subsequent reading by the student. In laboratory, shop and field work, two and one-half hours are required as an equivalent of one hour of class recitation or lecture work.

ATTENDANCE UPON RECITATIONS AND LECTURES.

The requirements for punctual and regular attendance upon all recitations, lectures and other prescribed college exercises are exact and firm. Professors may excuse students on account of necessary absence from their classes, if the reasons seem valid. All unexcused absences are reported to the President's office and are entered upon the register as demerits, which may subject the student to admonition, suspension or dismission. Students who find it necessary to leave before the close of the year, and who expect to return, and students desiring to be absent for a period of time, should obtain leave of absence from the President.

TESTIMONIALS.

Every candidate for admission will find it advantageous to furnish a testimonial from his teachers or employers as to character and efficiency. The President may require from each candidate satisfactory evidence of good moral character.

CONDITIONS OF ADMISSION.

The courses of study published in this register are courses which have been recently prepared by the Faculty of the University. The requirements for admission to these courses are considerably in advance of the requirements of preceding years. It is not deemed just to advance the standard of admission without giving students sufficient notice and time for preparation. For this reason the requirements given below are the same as for the preceding year; that is, students who apply for admission at the opening of the next term will be required to pass only on the same subjects as were presented to candidates for admission in September, 1894:

ENTRANCE REQUIREMENTS FOR 1895-96.

1. *For University Courses*—Spelling, reading, penmanship, English grammar, descriptive geography, arithmetic, including the metric system, algebra to quadratics, and three books of plane geometry.

2. *For State Normal School*—Spelling, English grammar, reading, penmanship, descriptive geography, arithmetic through percentage, and algebra to equations.

3. *For University Commercial School*—Spelling, reading, penmanship, grammar to syntax, descriptive geography and arithmetic to interest.

4. *For School of Industrial Arts*—Spelling, reading, penmanship, grammar to syntax, descriptive geography and arithmetic to interest.

ENTRANCE REQUIREMENTS FOR 1896-97.

1. *For University Courses*—One year's work in Latin or French, one year's work in algebra, history of the United States, history of England, elements of rhetoric and the elements of freehand drawing, in addition to the studies named under the requirements for 1895-96.

ENTRANCE REQUIREMENTS FOR 1897-98.

The entrance requirements for the academic year 1897-98 to the University courses will be the equivalent of all the studies published in this register as the course of study of the University academy.

DEFICIENCIES.

A candidate may be admitted in spite of deficiencies in some of the studies required. The exact number of deficiencies with which a candidate may be admitted cannot be named in advance, since each case is considered on its merits.

ADMISSION OF SPECIAL STUDENTS.

Persons who are not candidates for a degree, and who wish to pursue some one study and its related branches, may be admitted as special students without passing the usual entrance examination on the recommendation of the professor under whom the special study is to be taken; but the professor concerned may impose any test by examination or otherwise that he may deem advisable. Special students are admitted to work only in the University courses. A failure on the part of any special student to maintain a good standing in the special studies to which he is admitted will at once sever his connection with the University.

ADMISSION TO ADVANCED STANDING.

Students from other institutions of recognized collegiate rank who present letters of honorable dismissal may be admitted to such standing and upon such terms as the Faculty may deem equitable. Every such candidate is required to present along with a catalogue of the institution in which he has studied a full statement, duly certified, of the studies he has completed, including studies passed at entrance.

DEGREES.

1. The Degree of Bachelor of Arts (B.A.) will be granted to those who complete in a satisfactory manner the equivalent of four years' work of sixteen hours of lectures or recitation weekly, or a total of one hundred and twenty-eight hours, and who have satisfied the requirements set forth in the course in Liberal Arts.

2. The Degree of Bachelor of Science (B.S.) will be given to those who complete satisfactorily any one of the regular courses of study in the Department of Applied Science, viz: the course in Mining or in Agriculture or in Mechanics or in Civil Engineering.

3. Previous to the conferring of the degree the candidate must prepare and submit a satisfactory thesis upon some special or technical subject selected by him with the approval of the Professor in charge of the department in which he desires to graduate. The subject of his thesis must be chosen and submitted to the Faculty not later than the close of the first term of the Senior year, and the thesis must be completed and submitted to the Faculty at least thirty days prior to the date of Commencement.

4. The Degree of Master of Arts will be conferred upon graduates from the School of Liberal Arts who shall pursue a prescribed course of study for one year after receiving the Degree of B.A. and shall present a satisfactory thesis.

5. The Degree of Master of Science will be conferred upon graduates from the course in Mining or in Agriculture or in Mechanics or in Civil Engineering, who shall pursue a prescribed course of study for one year after receiving the degree of B.S. and shall present a satisfactory thesis.

6. The Engineering Degrees, viz: Mining Engineer, Mechanical Engineer and Civil Engineer, will be conferred upon graduates in those departments who pursue their technical studies one year more or have been engaged in professional work in positions of responsibility for three years. In either case a further thesis on an entirely original technical topic, or a detailed account or report of the professional work engaged upon, must be presented for acceptance at least thirty days prior to the date of conferring the degree.

II.—DEPARTMENTS OF INSTRUCTION.

The departments of the University are classified under three heads:

I. Department of Liberal Arts and General Science.
II. Department of Applied Science.
III. Department of Education.

In addition to these, the University maintains two sub-collegiate schools for the purpose of preparing young men and young women for admission to the several University departments.

I.—DEPARTMENT OF LIBERAL ARTS AND GENERAL SCIENCE.

The course in Liberal Arts and Science is designed to give students the general knowledge, culture and discipline which will make them intelligent citizens and members of society. It is not a professional course, and is not intended to take the place of such a course. It is believed, however, that the course is desirable and even essential preparation for the study of every business. The branches herein offered are universally regarded as the basis of a liberal education, and have long been studied as the best means of mental discipline and general culture. The course is almost as extensive and complete as the corresponding course given in the best colleges, and by means of a liberal system of electives offers students a considerable range of choice in courses of study.

II.—DEPARTMENT OF APPLIED SCIENCE.

The schools of Applied Science offer instruction of a professional character equal to that given by the better class of scientific schools.

1. THE SCHOOL OF MINES.

This school gives a good preliminary training to students who intend to follow mining or metallurgy professionally. Upon completing the four years' course the student will be proficient in assaying and surveying and well grounded in mining and metallurgy. The laboratories are well equipped, and one of the principal features of the course is that a great deal of laboratory practice is required, for it can hardly be denied that the success of a professional man is not so much dependent upon the amount that he learns in colleges as it is upon the thoroughness of his knowledge of the subjects undertaken.

2. THE SCHOOLS OF AGRICULTURE AND INDUSTRIAL ARTS.

The courses in Agriculture and Industrial Arts present to the student such subjects as will provide him with a liberal industrial education. Text and practical work go hand in hand throughout the course of four years. The number of text studies carried by the student at any one time is small, in order that he may in no way be disqualified to carry on the practical work prescribed. By this, provision is made also for advanced students to do special work in such lines as they may choose. The various University departments are well equipped to meet the demands peculiar to this school. The Agricultural Experiment Station, with its farm in actual operation, adds much to this school, as here the student is permitted to observe and possibly take part in scientific investigation. The sciences that are necessary to a thorough knowledge of the underlying principles of agriculture and horticulture are fully treated. The student receives enough training in draughting

to acquire a clear understanding of its principles and a fair degree of skill in the use of draughting instruments. He receives sufficient instruction in mathematics and mechanics to understand the principles of mechanical appliances, and enough work in the shops to make him fairly skillful in the use of tools, and able to do acceptable work in any shop he may enter.

3. THE SCHOOLS OF MECHANICS AND CIVIL ENGINEERING.

These schools offer professional training for those who have in view the calling of a mechanical or a civil engineer. Every required branch of theoretical and practical instruction is provided for in these several courses.

III.—DEPARTMENT OF EDUCATION.

The Department of Education applies specifically to the State Normal School, which has been by law an integral part of the State University. For convenience the statement of the nature and extent of this department is given in this register after the "Courses of Instruction" and the "Exhibit of Studies," and under the heading "Nevada State Normal School."

III.—COURSES OF INSTRUCTION.

PHILOSOPHY.

THE PRESIDENT AND PROFESSOR LEWERS.

1. Elements of Ethics. *2 hrs., second term. Senior.*

Theoretical and practical ethics, the foundation of moral obligation, the will, the conscience, the nature of virtue, and the moral law. Recent ethical discussions. Lectures: THE PRESIDENT. *Bowne:* Ethics. *Muirhead:* Elements of Ethics.

2. Conduct and Character. *1 hr., half first term. Assembly.*

The principles of ethics applied to every day practice. Lectures by THE PRESIDENT before the Assembly every other week.

3. Psychology. *5 hrs., first term. Junior.*

The elements of Psychology, treating of the cognitive and motive powers. THE PRESIDENT. *Dewey:* Psychology.

4. Logic. *3 hrs., first term. Senior.*

Inductive and deductive logic. Lectures upon the practical application of the principles of logic, with criticism of arguments and other practical exercises. PROFESSOR LEWERS. *Jevons-Hill:* Elements of Logic.

LATIN.

PROFESSOR CHURCH.

1. Beginning Latin. *5 hrs., both terms. Preparatory.*

Collar and Daniell: Beginner's Latin Book. *Heatley and Kingdom:* Gradatim. *Collar:* Gate to Cæsar.

Course 1 is required for entrance to the School of Liberal Arts.

2. Cæsar and Cicero. *3 hrs., both terms. Freshman.*

Selections from Cæsar's Gallic War: Book III., chap. 7-16; Book IV., chap. 1-36; Book VI., chap. 12-24. Selected Orations and Letters of Cicero. Prose composition. History of Rome. *Kelsey:* Cæsar's Gallic War. *Kelsey:* Cicero, Selected Orations and Letters. *Daniell:* Exercises in Latin Composition. *Creighton:* History of Rome.

3. Ovid and Vergil. *3 hrs., first term. Sophomore.*

Selections from Ovid. Vergil's Bucolics. Mythology. *Kelsey:* Selections from Ovid. *Harper and Miller:* Vergil's Æneid and Bucolics.

4. Vergil. *3 hrs., second term. Sophomore.*

A critical study of the first six books of the Æneid is made both from a grammatical and from a literary point of view. The course is completed by a brief survey of the last six books, with a view to learning the unity of the poem as a whole. *Harper and Miller:* Vergil's Æneid and Bucolics.

Courses 1-4 are required in the Normal School.

5. Livy and Cicero. *3 hrs., first term. Junior.*

Livy, Book XXI. Cicero, De Senectute. Prose composition. *Westcott's* or *Lord's* Livy. *Kelsey:* Cicero, De Senectute. *Miller:* Prose Composition.

Those who complete course 5 may elect course 5a in their senior year.

5a. Sallust and Cicero. *3 hrs., first term. Junior.*

Sallust, Catiline. Cicero, DeAmicitia. *Stuart:* Sallusti Catilina et Jugurtha. *Kelsey:* Cicero, DeAmicitia.

This course will alternate with course 5 and will be given in 1896-97.

6. Horace, Catullus and Tibullus. *3 hrs., second term. Junior.*

Selected poems of Horace, Catullus and Tibullus. Studies in Roman archæology and life. *Smith:* Horace, Odes and Epodes. *Crowell:* Selections from the Latin Poets.

7. Roman Literature. *1 hr., both terms. Junior.*

Lectures and recitations on the development and decline of Roman literature through all its periods, with selections from representative authors. Numerous standard works on Roman literature may be found in the library.

Courses 2-7 are required for the Degree of Bachelor of Arts, and must be taken consecutively.

8. Plautus and Terence. *3 hrs., first term.*

Selected comedies. The Drama. *Fowler:* Plautus, Menaechmi. *Wagner:* Terence, Adelphoe. *Shuckburgh:* Terence, Heauton Timorumenos.

9. Rapid Reading. *2 hrs., first term (credit 1 hr.).*

Selections from various authors. The translation will be mostly at sight, and very little preparation for the lesson will be required.

Post: Latin at sight.

10. Roman Archæology. *2 hrs., second term.*

Illustrated lectures on architecture, the plastic arts and painting.

References will be given to Middleton's Remains of Ancient Rome, Lüebke's History of Art, and many other standard works.

11. Tacitus. *2 hrs., second term.*

The Germania or the Agricola. *Church and Brodribb:* Tacitus.

11a. Pliny. *2 hrs., second term.*

Selected letters. *Montague:* C. Plini Epistulae Selectae.

This course alternates with course 11 and will be given in 1896-97.

Any one or all of courses 8-11a may be elected by those who have finished the required courses in Latin.

12. Scientific Latin. *4 hrs., both terms.*

Grammar and exercises in translating Latin prescriptions. *Robinson:* Latin Grammar of Pharmacy and Medicine.

It is recommended that course 1 be completed before course 12 is taken up. This course will be omitted in 1895-6.

GREEK.

MR. UNSWORTH.

1. Beginning Greek. *5 hrs., both terms. Freshman.*

Thorough drill is given in the elements of the Greek language, along with a liberal amount of reading in Xenophon and Herodotus. *White:* Beginner's Greek Book. *Goodwin:* Selections from Xenophon and Herodotus.

2. The Iliad or Odyssey. *4 hrs., both terms. Sophomore.*

The reading of Homer's Iliad or Odyssey is accompanied throughout the year by methodical instruction in Greek Grammar, Greek Prose Composition and History of Ancient Greeks. *Goodwin:* Greek Grammar. *Allinson:* Greek Prose Composition. *Pennell:* History of Ancient Greece.

3. Lysias and Plato. *4 hrs., first term. Junior.*

A critical reading of the orations of Lysias and of Plato's Apology of Socrates is made the preparation of an appreciative study of Greek civilization.

4. Æschylus. *4 hrs., second term. Junior.*

The Prometheus Bound of Æschylus and lectures on the orators and dramatists of Greece.

5. Euripides and Sophocles. *4 hrs., first term. Senior.*

Exposition of the Greek drama. The Alcestis of Euripides and the Electra of Sophocles.

6. Greek Testament. *4 hrs., second term. Senior.*

Critical reading of the Gospel of St. John, with lectures on the common dialect and on Hellenistic Greek.

GERMAN.

THE PRESIDENT AND PROFESSOR CHURCH.

1. Elementary German. *4 hrs., both terms. Freshman.*

The aim of the first year's work in German is to combine the advantages of abundant oral practice with thorough drill in the elements of grammar. THE PRESIDENT. *Cook's Otto:* German Grammar. ————: Kleine Geschichten.

2. Schiller's Jungfrau von Orleans. *4 hrs., first term. Sophomore.*

Special attention will be given to the play from a literary standpoint, while drill in grammar will be obtained from frequent exercises in prose composition. PROFESSOR CHURCH. *Wells:* Schiller's Jungfrau von Orleans. *Stein:* German Exercises.

3. Schiller. *4 hrs., second term. Sophomore.*

Schiller's Wilhelm Tell and Maria Stuart. Special attention will be given to the plot and characters of each play. The author's style will receive critical study. PROFESSOR CHURCH. *Deering:* Wilhelm Tell. *Joynes:* Maria Stuart.

4. Lessing. *4 hrs., first term. Junior.*

Lessing's Nathan der Weise. THE PRESIDENT. *Brandt:* Nathan der Weise.

5. Goethe. *3 hrs., second term. Junior.*

Goethe's Faust will be studied with lectures on the development of the Faust legend, the history of Goethe's Faust and its philosophical and ethical ideas. THE PRESIDENT. *Thomas:* Goethe's Faust (Part I).

6. History of German Literature. *1 hr., second term. Junior.*

Lectures and recitations on the period from Luther to Goethe.

Bernhardt's Deutsche Litteraturgeschichte will be used as a text book, while references will be given to other standard works. THE PRESIDENT.

7. Seminary in Conversational German. *2 1-2 hrs., both terms (1 hr. credit).*

Open to all students who have completed course 1. THE PRESIDENT.

FRENCH.

PROFESSOR HAMILTON AND INSTRUCTOR ————

1. Elementary French. *4 hrs., both terms. Freshman.*

The aim of this course is to give a thorough drill in the grammar and facility in reading in easy French. *Keetel:* French Grammar and Reader.

2. Voltaire, Sand. *4 hrs., both terms. Sophomore.*

Voltaire's Charles XII. Sand's La Mare au Diable. Lamartine's Jeanne D'Arc. Loti's Pecheur d'Islande. Supplementary work will be done in Rowen's French Reader.

3. Course in Idioms. *4 hrs., first term. Junior.*

Work in Idioms and in the French verb will be accompanied by exercises in composition.

4. Moliere, Corneille and Sandeau. *4 hrs., second term. Junior.*

Moliere's L'Avare, Corneille's LeCid. Sandeau's Mlle. delaSeigliere's. Conversational French.

SPANISH.

PROFESSOR JACKSON.

1. Elementary Spanish. *4 hrs., both terms. Senior.*

This elementary course in the Spanish language is for those students who expect to make immediate and practical use of Spanish in their vocation as engineers or business men. Therefore only so much of grammar as may be necessary in the acquirement of a ready use of words and idioms is taught in this course.

ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR COWGILL.

1. English Grammar. *5 hrs., both terms. First Year; Industrial.*

This course is shaped to meet the needs of the students for whom it is prescribed. It presumes a fair preparation on the part of the student taking it up. The work covers English grammar, supplemented by proper exercises in orthography and correspondence. *Maxwell:* English Grammar.

2. Elements of Rhetoric. *2 hrs., both terms. Normal; Industrial.*

Includes word studies, spelling and phonics, and systematic language practice in reading and writing. Also, the reading of Kingsley's Greek Heroes; Building of the Ship; Bryant's Forest Hymn and Thanatopsis; Lowell's Vision of Sir Launfal; Whittier's Patriotic Poems, etc.

These courses, 1 and 2, are arranged to give students such pedagogical training as shall enable them to use the English language accurately, to spell correctly, to articulate distinctly, to punctuate and use capitals properly, to construct clear and concise sentences, to interpret readily the thought conveyed in language and to acquire a taste for good reading.

3. Rhetoric. *3 hrs., both terms. Freshman.*

Written exercises criticised by the instructor and rewritten by the students. *Genung:* Rhetoric.

4. English Literature. *2hrs., both terms. Freshman, Normal, Industrial.*

This course includes the careful study of As You Like It, Evangeline, Sir Roger de Coverly, Macaulay's Second Essay on the Earl of Chatham, the Alhambra, Ivan-

hoe, Scenes of Clerical Life, and the House of Seven Gables. *Brooks:* Primer of English Literature.

5. Composition. *1 hr., both terms. Sophomore.*

Six themes criticised by the instructor and rewritten by the students.

6. Composition. *1 hr., both terms. Junior.*

Six themes and three forensics, lectures and discussions.

7. Forensics. *1 hr., both terms. Senior.*

Three forensics; lectures on argumentative composition; discussion of forensics.

8. Old English. *3 hrs., both terms. Sophomore.*

Selections from Ancren Riwle and Ormolum; Chaucer's Prologue; Knight's Tale and the Noune Preste's Tale. Study of Old English grammar with special reference to etymology and syntax of Modern English. *Sweet:* Primer.

9. Chaucer, Bacon and Spencer. *3 hrs., both terms. Sophomore.*

Chaucer's Prologue, Knight's Tale and Noune Preste's Tale, Bacon's Essays and Spencer's Faerie Queen.

Class elective with course 8.

10. English Literature. *3 hrs., both terms. Junior–Senior.*

Outline of the history of the drama and references to works in the library; lectures; Shakespeare, six plays.

Not given in 1895–96.

11. English Literature. *3 hrs., both terms. Junior–Senior.*

English poetry of the seventeenth, eighteenth and nineteenth centuries. This course consists of the study of the lives and characteristics of poets of this period, with extensive selections from their works. Elective. *Ward:* English Poets, last three volumes.

MINING AND METALLURGY.

PROFESSOR JACKSON.

1. Ores. *3 hrs. first, 5 hrs. second term. Senior.*

Ore deposits, explosives and excavations. *Text:* Blue prints from the Professor's notes.

2. Mines. *5 hrs., second term. Senior.*

Prospecting, exploitation, drainage, ventilation and mining machinery. *Text:* Blue prints from the Professor's notes.

3. General Metallurgy. *3 hrs., second term. Junior.*

General metallurgy relating to fuel, furnaces, refractory materials and alloys.

4. Metallurgy of Iron, Copper, Lead. *5 hrs., first term. Senior.*

This course includes the preparation of ores and the computation of furnace charges. *Text:* Blue prints of the Professor's notes.

5. Metallurgy of Silver and Gold. *5 hrs., second term. Senior.*

Lectures and text book. *Eissler:* Metallurgy of Silver and of Gold.

6. Laboratory. *13 hrs., both terms. Senior.*

This course consists of the determination of the heating effects of fuels, manufacture of alloys, and the extraction of gold and silver by the various milling and smelting processes. The department has a small stamp mill and a small water-jacket smelting furnace.

MINERALOGY.

PROFESSOR JACKSON AND INSTRUCTOR C. P. BROWN.

1. Crystallography; Properties. *6 hrs., first term. Sophomore.*

The course includes crytallography, general properties of minerals and blowpipe analysis. *Dana:* Manual of Mineralogy and Petrography.

2. Determination of Minerals. *6 hrs., second term. Sophomore.*

This course consists of the determination of minerals, their special characteristics, uses and occurrence. Each student receives a tray of one dozen specimens, which he determines by their physical properties, and then verifies his conclusions by blowpipe analysis. When he has thoroughly learned the properties, uses, values and occurrence of these minerals he is given a new tray, which is treated in the same manner. Special attention given to minerals of economic importance.

ASSAYING.

PROFESSOR JACKSON.

1. Fluxing of Ores. *6 hrs., first term. Junior.*

The fluxing of ores, the lead assay, and the assays for gold and silver. Much attention and time is given to fluxing, the purpose being so to familiarize the student with the method and the work that he may, in all cases, make good slags. This course is based upon mineralogy, which course should be completed before assaying is begun.

2. Practical Assaying. *6 hrs., second term. Junior.*

The entire half year is given to practice in assaying ores of all kinds, and to the determination of unavoidable losses; to bullion assays also.

CHEMISTRY.

PROFESSOR PHILLIPS AND INSTRUCTOR STADTMULLER.

1. Elementary Chemistry. *5 hrs., first year. Senior Normal.*

An elementary course in descriptive and theoretical inorganic and organic chemistry. Recitation and experimental lectures, with individual laboratory work.

2. General Chemistry. *4 hrs., both terms. Freshman.*

Non-metals, metals, and the carbon compounds; theoretical and descriptive. Recitations and experimental lectures, with individual laboratory exercise. *Richter:* Inorganic Chemistry. *Remsen:* Chemistry of the Carbon Compounds.

3. Qualitative Analysis. *5 hrs., second term. Freshman.*

This laboratory course includes the commoner metals and acids, both in simple and mixed substances. *Fresenius:* Qualitative Chemical Analysis.

4. Quantitative Analysis. *3 hrs., both terms. Sophomore.*

This laboratory course includes simple salts, limestone, feldspar, coal and ores of the common metals. *Cairn:* Quantitative Chemical Analysis.

There is no laboratory fee. A charge is made for individual breakage.

PHYSICS.

PROFESSOR PHILLIPS.

1. Elementary Physics. *5 hrs., second term. Senior; Normal, Industrial.*

An elementary course in theoretical and practical physics. Two laboratory exercises a week. *Gage:* Elements of Physics.

2. Advanced Physics. *3 hrs., both terms. Junior.*

Recitation from the text is supplemented by notes and experimental demonstrations. Two laboratory exercises a week are required of the Juniors in the School of Mechanics, and are elective by those in the School of Liberal Arts. *Daniell:* Principles of Physics.

MATHEMATICS.

PROFESSOR THURTELL AND PROFESSOR HAMILTON.

1. Arithmetic. *5 hrs., first term. Industrial.*

For students already well grounded in the subject of arithmetic. The course will apply especially to the subjects of interest and its applications, to the principles of square and cube root, and of progressions and mensuration. *Robinson:* Higher Arithmetic.

2. Algebra. *5 hrs., second term. Industrial.*

The fundamental conceptions and operations of the subject, factoring, fractions, and simple equations. *Wells:* Academic Algebra.

3. Algebra. *5 hrs., both terms, Industrial and Normal.*

A continuation of course 2, and completes the subject of elementary algebra, including logarithms. *Wells:* Academic Algebra.

4. Plane Geometry. *5 hrs., both terms, Normal and Industrial.*

The entire subject of plane geometry, with the actual construction in neat form of all the problems. *Wells:* Plane and Solid Geometry.

5. Solid Geometry. *4 hrs., 10 weeks, first term. Freshman.*

The general subject, with applications and problems. *Wells:* Solid Geometry.

6. College Algebra. *4 hrs., 20 weeks, both terms. Freshman.*

Begins with logarithms, and includes the Binomial theorem, Sene's determinants and the general properties of equations.

7. Trigonometry. *4 hrs., 10 weeks, second term. Freshman.*

Trigonometric functions, use in the solution of plane and spherical triangles, and in the application of spherical trigonometry to the elementary problems concerning the geometry of the earth.

8. Descriptive Geometry. *2 hrs., both terms. Sophomore.*

Representation of planes, right lines and curves upon two planes. Spherical projection and its application to map making. Shade and shadows. Principles of perspective and isometric projection. *Church:* Descriptive Geometry.

9. Analytic Geometry. *5 hrs., first term. Sophomore.*

The geometry of the conic sections and the equations of geometrical surfaces principally. Subject holds a prominent place in all engineering colleges. *Wentworth:* Analytical Geometry.

10. Calculus. *5 hrs., second term. Sophomore.*

Necessary in all engineering courses. Both the differential and the integral calculus. *Osborne:* Calculus.

SURVEYING.

PROFESSOR HAMILTON.

1. Theory of Surveying. *3 hrs., both terms. Junior.*

All branches of surveying except geodetic surveying very thoroughly studied. *Gillespie:* Land Surveying.

2. Practical Surveying. *2 hrs., both terms. Junior.*

Field work of every kind. *Searle:* Field Engineering.

MECHANICS.

PROFESSOR THURTELL AND PROFESSOR HAMILTON.

1. Statics, Kinetics, Kinematics. *3 hrs., both terms. Junior.*

Many practical and difficult problems are solved by the students and the effort is made to develop originality of thought and strong mental power. The calculus is freely used.

2. Hydraulics. *2 hrs., second term. Junior.*

Some of the subjects considered are: Equilibrium of liquids, pressure of a liquid at any depth, strength of embankments, strength of pipes, pressure of gases at various temperatures, resistance and work of liquids, hydraulic machines, water wheels and pumps.

3. Strength of Materials. *5 hrs., first term. Senior.*

This course covers work in applied mechanics, analysis of structures both by graphical and analytical methods, roof trusses, bridge trusses, stress strain, etc.

4. The Steam Engine. *2 hrs., first term. Junior H.*

A study of the best types of stationary and locomotive engines. *Holmes:* The Steam Engine.

5. Thermodynamics. *5 hrs., second term. Senior.*

The laws of the expansion and compression of gases and of steam. The relation between heat and work. The relation between inner and outer work done on a body. Practical illustration of these laws in the steam engine, the gas engine and the injector. *Runtgen and Dubois:* Thermodynamics.

ASTRONOMY AND GEODESY.

PROFESSOR THURTELL.

1. Astronomy. *4 hrs., second term. Senior C.*

A course of study in mathematical astronomy with special reference to the subject of civil engineering. *Young:* General Astronomy.

MECHANICAL DRAWING.

PROFESSOR THURTELL.

1. Drawing. *2 hrs., two and one-half years. Engineering Course.*

The kinds of drawing are such as lettering, projections of solids, intersections of surfaces, isometric drawing, perspective of articles of furniture, of buildings and machine drawing.

Students must provide the necessary instruments, which are: One pair of compasses with lengthening bar, pen, pencil and needle point, one drawing pen, one triangular boxwood scale, two triangles, a T square, ink and drawing paper.

2. Machine Designing. *3 hrs., second term. Senior H.*

Text and practical designs of the working parts of machines. *Unwin:* Machine Design.

AGRICULTURE.

PROFESSOR MCDOWELL.

1. General Agriculture. *3 hrs., first term. Sophomore.*

In this course the following topics are considered: Brief historical outline; comparison of ancient and modern methods; value of the farm plant of the United

States; selection of farming land; farm implements and machinery; preparation of soil for crops; cultivation, harvesting and sale of crops; drainage; management of teams.

2. General Agriculture. *3 hrs., second term. Junior.*

Farm accounts, employment and management of labor; soils; irrigation; farm buildings; mixed farming; rotation of crops; silos; breeds of live stock; stock feeding.

HORTICULTURE.

PROFESSOR McDOWELL.

1. General Horticulture. *3 hrs., second term. Senior.*

Introduction and history of cultivated plants; variation and cross fertilization; propagation of plants. Vegetable gardening. Pomology. Nomenclature. Lectures, with liberal reading of standard texts.

FORESTRY.

PROFESSOR McDOWELL.

1. General Forestry. *3 hrs., second term. Senior.*

Importance of the subject; rank and value of forest products; effects of deforestation; forest supply; government timber land; what and how to plant; revenue from forest areas; what forestry management is and what it is not. Lectures, with liberal reading of subject literature.

VETERINARY SCIENCE.

INSTRUCTOR DARLING.

1. Elements of Veterinary Science. *3 hrs., second term. Senior.*

The purpose is to give the student such practical instruction as will enable him to treat all ordinary diseases and accidents to which the domestic animals are liable.

ANATOMY, PHYSIOLOGY AND HYGIENE.

PROFESSOR MILLER.

1. Elementary Course. *3 hrs., first term. Freshman A. Third Year Normal, Industrial.*

The lectures and text recitations are supplemented by experiments in chemical and physical physiology and by demonstrations of gross and microscopic anatomy performed by the instructor. *Martin:* Human Body.

2. Advanced Course. *3 hrs., both terms. Senior L.*

The work consists of lectures, text-book work and recitations, supplemented by demonstrations and experiments performed by the professor in charge. Elective. *Martin:* Human Body, advanced course.

Reference books are: Foster's Text Book of Physiology, Landois and Sterling's Text Book of Human Physiology and Gray's Anatomy.

ANIMAL BIOLOGY.

PROFESSOR MILLER.

1. Comparative Anatomy, Physiology, Histology. *5 hrs., first term. Sophomore. 9 hrs., second term, laboratory.*

Lectures and recitations four hours the first term, with three hours in laboratory.

The laboratory work pertains to gross anatomy, physiology and histology. In gross anatomy it includes the dissection of the domestic cat or rabbit, especial

attention being given to the organs of digestion, circulation, respiration, excretion and reproduction. In physiology it includes practical work in the determination of the composition and properties of the foodstuffs and body liquids, experimentation in the process of digestion and excretion, the study of the composition and changes of the blood and lymph, the investigation of the properties of muscles and nerves, and the study of the phenomena of respiration and circulation. In histology it includes the microscopic examination of the fundamental tissues and the structures of the various organs of the body, together with the preparation of material for such examination, including the process of hardening, section cutting, staining and preparation of permanently mounted objects. The lectures given in the first term are designed to give the student a brief review of the subject, preparing him for intelligent laboratory work. Books of reference are: Foster and Langley's Practical Physiology, Parker's Zoology, Mivart's "The Cat," Wilder and Gage's Anatomical Technology, Foster's Text Book of Physiology, Landois and Sterling's Text Book of Human Physiology, Gibbe's Practical Histology, Martin's Human Body, etc.

ANATOMY OF DOMESTIC ANIMALS.

PROFESSOR MILLER.

1. Anatomy. *6 hrs., first term. Junior A.*

Dissections of the domestic animals, such as the horse, cow, hog, sheep, etc. The course is preparatory to the course in veterinary science. Lectures and laboratory.

ZOOLOGY.

PROFESSOR MILLER.

1. Elementary Zoology. *2 hrs., second term. Sophomore.*

A series of lectures designed to exhibit the relations of the various branches of the animal kingdom.

BACTERIOLOGY.

PROFESSOR MILLER.

1. General Bacteriology. *3 hrs., second term. Junior.*

Lectures, recitations and laboratory. The laboratory work includes the preparation of reagents and culture media, the examination of pathological tissues and the identification of bacteria by culture methods. The course covers not only the study of those species that are of importance from their economic relations to agriculture, as, for example, the bacteria of putrefaction and fermentation, those of diseases of plants and domestic animals, the bacteria of importance in dairying, but also those species of general importance—the bacteria of drinking water, of the air, and those which are pathogenic in man.

AGRICULTURAL CHEMISTRY.

PROFESSOR WILSON.

1. Chemistry of Soils, etc. *8 hrs., first term. Sophomore A.*

Lectures (3) and laboratory practice (5) upon the quantitative analysis of soils, fertilizers, agricultural products, etc.; how plants grow, mineral basis of soil, chemical effect of tillage, feeding stuffs, etc. *Johnson:* How Crops Grow, and How Crops Feed.

DAIRYING.

PROFESSOR WILSON.

1. The Dairy. *5 hrs., first term. Senior A.*

The instruction consists of lectures upon the formation and composition of milk; ferments and their action; testing for purity and value; methods of manufacture

of cheese and butter. The lectures are supplemented by practical work with different testing apparatus, and by the inspection of dairies and creameries fitted with modern apparatus.

BOTANY.

PROFESSOR HILLMAN.

1. Elementary Botany. *3 hrs., second term. Freshman.*

A course of object lessons in plant life and structure.

2. Structural Botany. *5 hrs., second term. Sophomore.*

Laboratory and reference work devoted to typical plant structures.

3. Cryptogamic Botany. *6 hrs., first term. Senior A.*

Simple plant structures occurring in stagnant water are studied with the compound microscope. Such higher forms as are obtainable studied with reference to their morphologies. Preventive and remedial methods employed against economic fungous diseases will receive attention.

4. Physiological Botany. *6 hrs., second term. Senior A.*

Laboratory study of living plants, embracing cell development, cell structure, and tissue systems, nutritive materials, growth, influences of light and heat.

ENTOMOLOGY AND BEE CULTURE.

PROFESSOR HILLMAN.

1. Entomology. *5 hrs., first term. Senior A.*

Recitation and laboratory study. The anatomy, transformations and classifications of the insects illustrated from the University collections. The life histories of a number of insects are followed from the observation of living specimens in the laboratory breeding cages. There is ample biological material in the entomological collections for the study of the injurious and the beneficial insects of local importance. *Comstock:* Manual for the Study of Insects.

2. Bee Culture. *Elective. Senior A.*

The practical study of the habits, character and uses of the honey bee will be connected with experimental bee raising on the Station farm.

GEOLOGY.

PROFESSOR MILLER.

1. General Geology. *5 hrs., first term. Junior.*

Lectures, recitations, field excursions and museum work upon dynamical, structural and historical geology. The economic aspects of the science are considered in relation to the various particular divisions of the subject.

DESCRIPTIVE ASTRONOMY.

PROFESSOR MILLER.

1. Elementary Astronomy. *5 hrs., second term. Senior N.*

A course in elementary descriptive astronomy for those who are preparing to become teachers in the public schools. Recitation from the class text, supplemented by observational study of the heavens.

PHYSICAL GEOGRAPHY.

PROFESSOR MILLER.

1. Physical Geography. *5 hrs., first term. Normal and Industrial.*

The science is considered in its broadest significance and includes the elements

of mathematical geography, geology, meteorology and the distribution of animals and plants. *Appleton:* Physical Geography.

HISTORY.

PROFESSOR COWGILL AND PROFESSOR LEWERS.

1. History of the United States. *3 hrs., first term. Normal and Industrial.*

Text-book work, supplemented by lectures and liberal reading on all important topics.

2. History of England. *3 hrs., second term. Normal and Industrial.*

Text-book work, supplemented by lectures and liberal reading on all important topics.

3. General History. *5 hrs., both terms. Junior L and N.*

On the basis of Freeman's Outlines of European History, supplemented by extensive reading on Rawlinson, Grote, Mommsen and Hallam.

4. Constitutional History. *5 hrs., both terms. Senior L.*

Constitutional and political history of the United States. Volumes I. and II. of Von Holst's History will be the basis of this course, but constant reference will be made to other authors.

Course not given 1895-96.

POLITICAL SCIENCE.

PROFESSOR LEWERS.

1. Civil Government. *5 hrs., second term. Normal and Industrial.*

Recitation, with liberal library work. *Fisk:* Civil Government in the United States.

2. Political Economy. *5 hrs., second term. Senior.*

Text and recitation, with lectures and liberal library reading. *Walker:* Political Economy.

MILITARY SCIENCE AND TACTICS.

LIEUTENANT HAMILTON.

1. Military Drill. *4 hrs., both terms. All Students.*

The practical instructions consist of squad, company and battalion drills of infantry, school of the piece of artillery, sighting and aiming drills, signal drills, small arms and target practice, practice marches, castramentation, reconnoissance, guard duty, military ceremonies and open order drills. All instruction is given under the personal supervision of the Military Professor.

2. Theoretical Course. *4 hrs., three months. All Students.*

The theoretical work consists of recitations in tactics and on the elementary principles of the art and science of war, of lectures given by the Military Professor on the following topics: Organization and administration of the army and its subunits, proper employment of the different arms of service, grand tactics, strategy, logistics, etc., how to read military history and signaling.

PEDAGOGICS.

PROFESSOR EMERY.

1. Elements of Pedagogy. *3 hrs., first term. First year.*

The work of this course consists of lectures, discussions and reproductions of the essential points upon the following topics: The teacher: professional training,

aims, equipments and personality. The pupil: mental, moral and physical traits, habits of study and obedience, character building. The school organization: course of study, programme of recitation, management, discipline; moral suasion and force, their relative values and interdependence. *Fitch:* Theory and Practice of Teaching.

2. Elementary Psychology. *5 hrs., second term. First year.*

The dominant aim is to interest the student in the study of child mind. Facts concerning the natural order and degree of the development of the senses and mental faculties are collected by each student through reading, hearsay and personal investigation. These are discussed in class and carefully recorded in notebook for future reference. *Brooks:* Normal Method (Part I).

3. Special Methods. *5 hrs., first term. Second year.*

The aim in this course is to lead to an understanding of the relations of methods and matter to mind. Specific aims and methods in practical school work in the common school studies; arithmetic, grammar, geography, history, etc., are studied and observed in the training school and the public schools of Reno, discussed in class and used as the basis for practice work with pupils, extra credits being given for new ideas in illustration or original devices which pass the test with classes of children.

Knowledge papers, showing that the student has the requisite knowledge of principles to give a series of lessons upon important topics, as: fractions, percentage, the pronoun, the verb, etc., are required. Power of imparting knowledge by each of the general methods, viz: instruction and questioning, must be fully shown in a series of illustrative science lessons, showing the logical plan of building up knowledge and skill in bringing out the perceptive and discriminating powers in the mind of the child.

4. Practice Teaching. *Both terms. Three years.*

The requirement for this course is the completion of one year of pedagogical work. The object is to bring out the individual powers of the student-teacher in teaching and governing a school. Plan of preparation: An outline of central and related points, covering a week's work, divided into daily lessons, is prepared and presented to the critic teacher. If approved, it is referred to the Principal, who thereupon assigns the student to class work under the supervision of critic teacher. For a definite time each lesson is outlined and methods and devices indicated.

No unprepared or desultory work is allowed. Each critic teacher is held responsible for the work done in her room. The merits and limitations of student-teachers are observed and reported to the Principal, who promotes in cases of merit and gives a change of work in cases of failure. After continued failures the student teacher is kindly advised to seek some other calling.

5. History of Education. *5 hrs., second term. Second year.*

The objects of this course are to enable students to obtain clear outlines of the educational ideals of the leading nations of the past and present: the Chinese, Persian, Hindu, Egyptian, Grecian, Roman, European and United States; to gain a general idea of the fundamental principles in the teachings of their great philosophers and teachers, and to note the successes and failures in the ways and methods used to realize national ideals, with their direct and indirect influences upon national characteristics, and thus arrive at a clearer and broader view of the permanent truths and grander aims in the educational system of to-day. *Huilman:* History of Education. *References:* Compayre and Library Work.

Philosophy of Education. *4 hrs., second term. Third Year.*

Part I.—Oral analysis and written reproduction of thought in logical arrangement are required upon the general idea of education, its nature, its form, its limits; while the practical bearings of the sub-topics of work and play, habits, punishments, corrective and retributive (also preventive), different temperaments and

capacities, processes of growth of the lower into higher faculties, are used for subjects of "talks" and more elaborate class essays.

Part II.—Similar plans of work are carried through the second part of the book, the results sought being not only a knowledge of the facts and principles of education, but the culture or power of applying this knowledge to the art of teaching. *Rosenkranz:* Philosophy of Education.

7. School Law of Nevada. *1 hr., both terms.*

The object of this course is not only to enable the teacher to perform his school duties legally, but, by becoming fully aware of the generous provisions Nevada has made for its Normal teachers, to inspire him to noble effort in training honest, industrious and intelligent citizens for the State.

FREEHAND DRAWING.

PROFESSOR HILLMAN.

1. General Course. *3 hrs., both terms. Industrial.*

This course is elementary in character, fitting the student for the performance of such delineations as may be demanded in the pursuit of the ordinary industrial callings. The work in the main is as follows: The manipulation of the pencil peculiar to freehand work, right line exercises, construction of symmetrical right line figures, simple and compound curves, plane geometrical figures with rectilinear and curvilinear ornamentation, sketching from models, with method of taking measurements, lights and shades, perspective with exercises, sketching of geometrical solids, sketching from nature.

PRACTICAL MECHANICS.

PROFESSOR BROWN.

1. Carpentry and Joinery. *6 hrs., both terms. Freshman.*

The student is taught the use and care of tools, the grinding of plane irons, chisels and other edged tools, and the use of the oil stone, etc. He is then given an exercise in planing. The lumber is first taken out of winding and planed smooth, the edges being made square with the face and parallel with each other, no attention being paid to dimensions. Next comes a lesson in sawing with the rip and crosscut saws, care being exercised to saw straight and square with the face. When the student has become proficient in the use of the saw and the plane, he is given instruction in the use of the square in laying out work, such as rafters, collar beams, brackets, braces, hips, groins and jack-rafters. He is also taught the octagonal scale and brace measure. The remainder of his time will be given up to the different kinds of joints, simple and otherwise, dovetails, mitres, mortise, tennon, etc.

2. Wood Carving. *6 hrs., first term. Industrial.*

Instruction: Tools, their care, use, and best method of sharpening with oil and grindstone, woods best adapted to all kinds of wood carving, indenting, stamping and cutting groove with gouge, flat patterns made with cuts and lines, cutting out flat panels with ground, cutting simple leaves, carving with the left hand, cutting with the grain, turning the tool, the drill, bole carving and large work, carving simple figures, and from that to more intricate work; the use of the saw; methods of staining, oiling and repairing the wood carvings.

3. Vise Work in Iron and Wood Turning. *6 hrs., both terms. Sophomore.*

This course will alternate each class day with wood turning and vise work in iron. In the first the student is taught the use of turning tools, how to handle the lathe, and is given lessons in both plain and ornamental turning. In the second the use of the hacksaw, chisel and files in working the various metals is taught. During this term the students will take turns in running the shop engine, and thereby acquire a knowledge of how to run and care for a steam engine.

4. Machine Work. *6 hrs., first term. Junior.*

During this term the turning of wrought and cast iron, steel and brass to various diameters will be taught. Also, taper turning, facing, with chuck and face plate, boring, screw cutting, in lathe with taps and dies, fitting, grinding and polishing. There are also made up from the rough castings model engines of the different types, electric dynamos of small capacity and other small machines, embracing all the points of larger and more expensive work.

5. Forging and Machine Work. *6 hrs., second term. Junior.*

The greater portion of this course will be devoted to forging so far as the facilities will permit, special attention being given to building and tending fire, to forging simple shapes, to bend, to draw, to make scarfs and welds, also the forging of machine tools for the use in the lathe and planer. The machine work will be a continuation of course 4.

BOOKKEEPING.

PROFESSOR LEWERS.

1. Bookkeeping. *5 hrs, both terms.*

The subject of bookkeeping has begun to receive its due attention as a medium of intellectual training. Its value is recognized by the special prominence given to it in the University, as well as in the preparatory courses.

The work for the students in the first year in the University Commercial School will embrace the exercises outlined in the text for the months of January, February, March, July, August, November, December, first series, and for January, February, March, April, second series. For the second year, same school, the work will include the exercises outlined in the text for July, October and November, second series, and additional exercises in practical and theoretical work in banking, corporation, real estate, bookkeeping, in lectures and practical exercises in auditing, experting, etc.

In the School of Industrial Arts and in the University Academy the work required will include the exercises outlined in the text for January, February, March, July, August, November and December.

In the Nevada State Normal School, the work will include the exercises outlined for January, February, March, June, November, December, January, second, and April, second. Lectures upon the theory and methods of teaching will be delivered from time to time.

In the School of Agriculture the work will embrace the work as outlined in the text for January, February, March, April, July, October and November, second series, together with lectures on advanced work.

Williams and Rogers: New Complete Bookkeeping.

COMMERCIAL LAW.

PROFESSOR LEWERS.

1. Commercial Law. *4 hrs., second term.*

This course includes the subjects of negotiable paper, sales of personal property, agency, partnership, joint stock companies, corporations, guarantee and suretyship, bailments, shipping insurance, liens, interest and usury, domestic relations, real property, real estate conveyances, landlord and tenant. The text work is supplemented by lectures on topics germane to the subject. *Williams and Rogers:* Commercial Law.

STENOGRAPHY.

PROFESSOR LEWERS.

1. Complete Course. *5 hrs., both terms.*

The system chosen, Dement's, is a standard one, and is adequate for all classes of stenographic work, from the simpler forms of dictation to the most rapid court work. It is a mean between the Graham and Pitman systems, avoiding the excessive elaborateness of the former and remedying the defects of the Pitman. The purpose of the course is to ground the student thoroughly in the principles of the art.

It is carried through four terms, and a good commercial speed is required, but the class will be carried as far as the circumstances will permit. *Dement:* Pitmanic Shorthand.

TYPEWRITING.

PROFESSOR LEWERS.

1. Complete Course. *5 hrs., both terms.*

The work is that outlined in Torrey's Practical Typewriting, and takes up the general exercises in fingering, first on words and then on sentences. The work in this text is supplemented by letter writing, copying legal papers, etc. The department is equipped with two Smith Premier, one Caligraph, four Remington, one Yost, one Hammond and one International typewriter.

TELEGRAPHY.

PROFESSOR LEWERS.

1. Practical Work. *5 hrs., both terms.*

The object of the course is to make the student fairly proficient in receiving and sending, to teach him the care of instruments and batteries, etc.

IV.—EXHIBIT OF STUDIES AND RECITATION SCHEDULE.

NOTE—The numbers in column indicate exercises per week. The numbers immediately after subjects refer to courses as given on pages 19-34.

COURSE IN LIBERAL ARTS.

FRESHMAN YEAR.

Required.

First Term.		*Second Term.*	
Latin, 2	3	Latin, 2	3
English, 3, 4	5	English, 3, 4	5
Mathematics, 5	4	Mathematics, 5	4

Elective.

(Student to take one elective—4 or 5 hours.)

Greek, 1	5	Greek, 1	5
German, 1	4	German, 1	4
French, 1	5	French, 1	5
Physiology, 1 Mechanics, Shop, 1	5	Botany, 1 Mechanics, Shop, 1	5

SOPHOMORE YEAR.

Required.

First Term.		*Second Term.*	
Latin, 3, 7	4	Latin, 4, 7	4
English, 5, 8 or 9	4	English, 5, 8 or 9	4
Chemistry, 2	4	Chemistry, 2	4

Elective.

Greek, 2	4	Greek, 2	4
German, 2, 7	5	German, 3, 7	5
French, 2	4	French, 2	4
Mathematics, 8 or 9	5 or 2	Mathematics, 8 or 10	5 or 2
Chemistry, 4 Mechanics, Shop, 3	5	Chemistry, 4 or 3 Mechanics, Shop, 3	5
Biology, 1	5	Zoology, 1 Biology, 1	4
		Botany, 2	5

JUNIOR YEAR.

Required.

First Term.		*Second Term.*	
Psychology, 3	5	History, 3	5
English, 6	1	English, 6	1

Elective.

(Student to take two electives—7 to 10 hours.)

First Term.		*Second Term.*	
Greek, 3	4	Greek, 4	4
German, 4, 7	5	German, 5, 6, 7	5
French, 3	4	French, 4	4
Latin, 5, 8, 9	4	Latin, 6, 10, 11	4
Geology, 1	5	Physics, 2	3
Physics, 2	3	Surveying, 1, 2	5
Surveying, 1, 2	5	English Literature, 10	3
English Literature, 10	3	Mechanics, 1, 2	5
History, 3	5	Pedagogics, 4	5
Pedagogics, 1, 3, 4	5		

SENIOR YEAR.

Required.

First Term.		*Second Term.*	
Logic, 4	3	Ethics, 1	2
English, 7	1	English, 7	1
		Political Science, 2	5
		GRADUATING THESIS.	

Elective.

(Students to take two to three electives—6 to 12 hours.)

First Term.		*Second Term.*	
Greek, 5	4	Greek, 6	4
Spanish, 1	4	Spanish, 1	4
History, 4	4	History, 4	5
English Literature, 11	3	English Literature, 11	3
Mechanics, 3	5	Horticulture, 1 / Forestry, 1	5
Entomology, 1	5		
Botany, 3	2	Botany, 4	2
Biology, 1	5	Biology, 1	5
Pedagogics, 5, 7	5	Pedagogics, 6, 7	5

COURSE IN MINING AND METALLURGY.

FRESHMAN YEAR.

First Term.		*Second Term.*	
English, 3, 4	5	English, 3, 4	5
German, 1	4	German, 1	4
Mathematics, 5, 6	4	Mathematics, 6, 7	4
Chemistry, 2	3	Chemistry, 2	4
Chemical Laboratory	1	Chemical Laboratory, 3	3
Mechanics, Shop, 1	2	Mechanics, Shop, 1	1

SOPHOMORE YEAR.

First Term.		*Second Term.*	
English, 5	1	English, 5	1
German, 2	4	German, 3	4
Mathematics, 8, 9	7	Mathematics, 8, 10	7
Mineralogy, 1	6	Mineralogy, 2	6
Chemical Laboratory, 4	3	Chemical Laboratory, 4	3
Mechanics, Shop, 3	2	Mechanics, Shop, 3	2

JUNIOR YEAR.

First Term.		*Second Term.*	
English, 6	1	English, 6	1
Mechanics, 1	3	Mechanics, 1, 2	5
Surveying, 1, 2	5	Surveying, 1, 2	5
Geology, 1	5	Metallurgy, 3	3
Physics, 2	3	Physics, 2	3
Assay, Laboratory, 1	2	Assay, Laboratory, 2	2
Draughting, 1	1	Draughting, 1	1

SENIOR YEAR.

First Term.		*Second Term.*	
Spanish, 1	4	Spanish, 1	4
Metallurgy, 4	5	Metallurgy, 5	5
Metallurgy, Lab., 6	5	Metallurgy, Lab., 6	5
Mining, 1	3	Mining, 2	5
Mechanics, 3	5	Ethics, 1	2
		GRADUATING THESIS.	

COURSE IN AGRICULTURE.

FRESHMAN YEAR.

First Term.		*Second Term.*	
English, 3, 4	5	English, 3, 4	5
Mathematics, 5, 6	4	Mathematics, 6, 7	4
Physiology, 1	3	Botany, 1	3
Chemistry, 2	3	Chemistry, 2	3
Chemical Laboratory, 2	1	Chemical Laboratory, 2	3
Mechanics, Shop, 1	2	Mechanics, Shop, 1	2

SOPHOMORE YEAR.

First Term.		*Second Term.*	
English, 5	1	English, 5	1
Mathematics, 8	2	Mathematics, 8	2
Agriculture, 1	3	Bookkeeping (Adv.) 1	5
Agricultural Chemistry, 1 Class	3	Animal Biology, 1, Lab.	3
Agricultural Chemistry, 1 Lab.	2	Zoology, 1	2
Animal Biology, 1 Class	4	Mechanics, Shop, 1	2
Animal Biology, 1 Lab.	1	Botany, 2	5
Mechanics, Shop, 1	1		

JUNIOR YEAR.

First Term.		*Second Term.*	
English, 6	1	English, 6	1
Surveying, 1, 2 Class	3	Surveying, 1, 2 Class	3
Surveying, 1, 2 Field	2	Surveying, 1, 2 Field	2
Geology, 1	5	Meteorology, 1	2
Physics, 2	3	Physics, 2	3
		Agriculture, 2	3
		Bacteriology, 1 Class	2
		Bacteriology, 1 Lab.	2

SENIOR YEAR.

First Term.		*Second Term.*	
English, 7	1	English, 7	1
Entomology, 1	5	Horticulture, 1	3
Dairying, 1	5	Forestry, 1	3
Anatomy, Lab., 1	2	Physiological Botany, 4, Lab.	2
Veterinary Science, 1	3	Ethics, 1	2
Crypt. Botany, 3, Lab.	2	Political Science, 2	5
		GRADUATING THESIS.	

COURSE IN MECHANICS.

FRESHMAN YEAR.

First Term.		*Second Term.*	
English, 3, 4	5	English, 3, 4	5
Mathematics, 5, 6	4	Mathematics, 6, 7	4
German, 1	4	German, 1	4
Chemistry, 2	3	Chemistry, 2	3
Chemical Laboratory, 2	1	Chemical Laboratory, 2	3
Mechanics, Shop, 1	2	Mechanics, Shop, 1	2

SOPHOMORE YEAR.

First Term.		*Second Term.*	
English, 5	1	English, 5	1
Mathematics, 8, 9	7	Mathematics, 8, 10	7
German, 2	4	German, 3	4
Draughting, 1	2	Draughting, 1	2
Mechanics, Shop, 3	2	Mechanics, Shop, 3	2

JUNIOR YEAR.

First Term.		*Second Term.*	
English, 6	1	English, 6	1
Mechanics, 1	3	Mechanics, 1, 2	5
Surveying, 1, 2 { Class	3	Surveying, 1, 2 { Class	3
Surveying, 1, 2 { Field	2	Surveying, 1, 2 { Field	2
Physics, 2 { Class	3	Physics, 2 { Class	3
Physics, 2 { Lab.	2	Physics, 2 { Lab.	2
Geology	5	Draughting, 1	2
Draughting, 1	2	Mechanics, Shop, 5	2
Mechanics, Shop, 4	2		

SENIOR YEAR.

First Term.		*Second Term.*	
English, 7	1	English, 7	1
Mechanics, 3	5	Thermodynamics, 5	5
Engineering Structures	5	Applied Chemistry	1
Electrical Units	3	Ethics, 1	2
Steam Engine, 4	2	Political Science, 2	5
Draughting, 1	2	Machine Designing, 2	3
		GRADUATING THESIS.	

COURSE IN CIVIL ENGINEERING.

FRESHMAN YEAR.

First Term.		*Second Term.*	
English, 3, 4	5	English, 3, 4	5
Mathematics, 5, 6	4	Mathematics, 6, 7	4
German, 1	4	German, 1	4
Chemistry, 2	3	Chemistry, 2	3
Chemical Laboratory, 2	1	Chemical Laboratory, 2	3
Mechanics, Shop, 1	2	Mechanics, Shop, 1	2

SOPHOMORE YEAR.

First Term.		*Second Term.*	
English, 5	1	English, 5	1
Mathematics, 8, 9	7	Mathematics, 8, 10	7
German, 2	4	German, 3	4
Mineralogy, 1	6	Botany, 2	5
Mechanics, Shop, 3	2	Mechanics, Shop, 3	2

JUNIOR YEAR.

First Term.		*Second Term.*	
English, 6	1	English, 6	1
Mechanics, 1	3	Mechanics, 1, 2	5
Surveying, 1, 2 { Class	3	Surveying, 1, 2 { Class	3
Surveying, 1, 2 { Field	2	Surveying, 1, 2 { Field	2
Physics, 2	3	Physics, 2	3
Geology, 1	5	Road Construction	2
Draughting, 1	2	Stereotomy	2
		Draughting, 1	2

SENIOR YEAR.

First Term.		*Second Term.*	
English, 7	1	English, 7	1
Mechanics, 3	5	Ethics, 1	2
Engineering Structures	5	Astronomy, 1	4
Properties of Materials, 3	3	Engineering	5
Draughting, 1	3	Political Science, 2	5
		GRADUATING THESIS.	

COURSE IN THE INDUSTRIAL ARTS.

FIRST YEAR.

First Term.		*Second Term.*	
English, 1	5	English, 1	5
Mathematics, 1	5	Mathematics, 2	5
Bookkeeping, 1	5	Geography	5
Drawing, Freehand, 1	3	Drawing, Freehand, 1	3
Mechanics, Shop, 1	2	Mechanics, Shop, 1	2
Music	2	Music	2

SECOND YEAR.

First Term.		*Second Term.*	
English, 2	2	English, 2	2
Mathematics, 3	5	Mathematics, 3	5
History, 1	3	History, 2	3
Drawing, Freehand	3	Drawing, Freehand	3
Shop Work (young men), 3	2	Shop work (young men), 3	2
Wood Carving (young women), 2	2	Clay Modeling (young women)	2
Music	2	Music	2

THIRD YEAR.

First Term.		*Second Term.*	
Mathematics, 4	5	Mathematics, 4	5
Physical Geography, 1	5	Civil Government	5
Physiology, 1	3	Botany, 1	3
Drawing, Freehand	3	Drawing, Freehand	3
Shop Work (young men), 4	2	Shop Work (young men), 5	2
Sewing (young women)	2	Gardening (young women)	2
Music	2	Music	2

SENIOR YEAR.

Required.

First Term.		*Second Term.*	
English, 3, 4	5	English, 3, 4	5
Mathematics, 5, 6	4	Mathematics, 6, 7	4
Chemistry, 1	5	Physics, 1	5
Music	2	Music	2

Elective.

(Student to take two electives—6 to 10 hours.)

Stenography, 1	5	Stenography, 1	5
Typewriting, 1	5	Typewriting, 1	5
Cooking	4	Cooking	4
Household Economy	3	Household Art	3

GRADUATING THESIS.

SHORT COURSE IN AGRICULTURE.

FIRST YEAR.

First Term.		*Second Term.*	
Agriculture, 1	3	Botany, 2	5
Chemistry, 2	4	Chemistry, 2	4
Rhetoric, 3	3	Rhetoric, 3	3
English Literature, 4	2	English Literature, 4	2
Physiology, 1	3	Zoology, 1	2
Practical Mechanics, 1	2	Practical Mechanics, 1	2
Military Drill	1	Military Drill	1

SECOND YEAR.

First Term.		*Second Term.*	
Agricultural Chemistry	3	Agricultural Chemistry	3
Dairying, 1	5	Horticulture, 1	3
Entomology, 1	5	Forestry, 1	3
Geology, 1	5	Civil Government, 1	5
Practical Mechanics, 3	2	Practical Mechanics, 3	2
Military Drill	1	Military Drill	1

PURPOSE OF SHORT COURSE.

The purpose of the short course in agriculture is to give special preparation with a view to securing trained intelligence, practical knowledge and business methods in this field of industry.

CONDITION OF ADMISSION.

This course is open to all who have a fairly good common school education equivalent to that which is given within the usual requirements of the grade below the high school.

SHORT COURSE PREPARATORY TO MEDICINE, DENTISTRY AND PHARMACY.

FIRST YEAR.

First Term.		*Second Term.*	
Chemistry, 2	4	Chemistry, 2	3
Animal Biology, 1	4	Chemistry Lab.	2
Animal Biology Lab.	1	Animal Biology Lab.	3
Anatomy, Physiology and Hygiene, 1.	3	Physics, 1	5
Latin, Scientific, 12	4	Latin, Scientific, 12	4
Military Drill	1	Military Drill	1

SECOND YEAR.

First Term.		*Second Term.*	
Human Anatomy and Physiology, 2.	3	Human Anatomy and Physiology, 2.	3
Agricultural Chemistry, 1	3	Bacteriology, 1	2
Agricultural Chemistry Lab.	2	Bacteriology Lab.	2
Human Osteology	2	Botany, Structural, 2	5
Psychology, 3	5	Physiological Botany, 4	2
English Composition, 5	1	Human Osteology	1
Military Drill	1	English Composition, 5	1
		Military Drill	1

PURPOSE OF THE SHORT COURSE.

This course is designed to give thorough preparation for technical instruction in human medicine, veterinary medicine, dentistry and pharmacy, as given in the various American professional colleges. It will be accepted by medical, dental and pharmaceutical colleges in lieu of one year's work in their prescribed courses. It is believed that because of the practical work required in the University laboratories it is more than the equivalent of the first year's work in such institutions. Furthermore, it will save young men and women the inconvenience and expense and obviate the necessity of attending foreign institutions for one year. The thorough course in laboratory training will familiarize the student with chemical and microscopical apparatus, and make skillful manipulation easy every-day work, so desirable in physicians, surgeons, dentists and pharmacists. For special description of the several courses the reader is referred to their special headings in this catalogue.

CONDITION OF ADMISSION.

For admission to this course candidates will meet all the requirements for admission to college classes, except the languages, other than English. Students

having had two years preparatory Latin will not be required to take the year in medical and pharmaceutical Latin. This course will also prove to be of great value to those who propose making the teaching of biology a specialty, and to those who propose taking special work in physical culture.

Students completing the two years' work will be granted a diploma of graduation from this course, but will be granted no degree.

All subjects occurring in this course may be elected in the course in Liberal Arts, on the completion of which the Degree of Bachelor of Arts in Biology and Chemistry will be granted.

SCHEDULES.

FIRST TERM, UNIVERSITY COURSES, 1895-96.

Hour.	Subject.	Class.	Days.	Instructor.
8:00	Geometry, Algebra	Freshman	MTTF	Prof. Thurtell
	Latin	Sophomore L	MTTF	Prof. Church
	Psychology	Junior L	MTWTF	President Stubbs
	Metallurgy	Senior M	MTWTF	Prof. Jackson
	Agriculture	Sophomore A	MWF	Prof. McDowell
	Entomology	Senior LA	MTWTF	Prof. Hillman
8:45	Rhetoric	Freshman	MTWTF	Prof. Cowgill
	Analytic Geometry	Sophomore	MTWTF	Prof. Thurtell
	Geology	Junior MAHC	MTWTF	Prof. Miller
	Mining	Senior M	MWF	Prof. Jackson
	Spanish	Senior M	TT	Prof. Jackson
	Eng. Structures	Senior HC	MWF	Prof. Hamilton
	French	Junior L	MTTF	
	Logic	Senior L	MWF	Prof. Lewers
9:30	French	Freshman L	MTTF	
	Chemistry	Freshman MAHC, Sophomore L	MWF	Prof. Phillips
	Descriptive Geom.	Sophomore	TT	Prof. Hamilton
	Mechanics	Junior MHC	MWT	Prof. Thurtell
	Materials	Senior C	MWF	Prof. Hamilton
	English	Junior	Tu	Prof. Cowgill
	English	Senior	Th	Prof. Cowgill
	German	Junior	MWTF	President Stubbs
	Steam Engine	Senior H	TF	Prof. Thurtell
	Electrical Units	Senior H	TT	Prof. Phillips
10:15	Animal Biology	Sophomore LA	MTWT	Prof. Miller
	French	Sophomore L	MTWT	
	German	Freshman LMHC	MTWT	President Stubbs
	Physics	Junior MAHC	MWF	Prof. Phillips
	Mechanics	Senior MHC	MTWTF	Prof. Thurtell
	Mineralogy	Sophomore MC	MWF	Mr. Brown
	Dairying	Senior A	MTWTF	Prof. Wilson
11:00	Physiology	Freshman AL	TWT	Prof. Miller
	Surveying	Junior	MWF	Prof. Hamilton
	English Literature	Senior; Junior L	MWF	Prof. Cowgill
	German	Sophomore LMHC	MTWT	Prof. Church
	Agricultural Chem.	Sophomore A	MWF	Prof. Wilson
11:45	Military Drill	All cadets	MTTF	Lieut. Hamilton
	General Assembly	All students	W	President
1:30	Greek	Sophomore L	MTWTF	Mr. Unsworth
	Latin	Junior L	MTTF	Prof. Church
	General History	Junior; Senior L	MTWTF	Prof. Cowgill
2:15	Greek	Freshman L	MTWT	Mr. Unsworth
	English	Sophomore L	MTTF	Prof. Cowgill
	Latin	Freshman L	MTWT	Prof. Church

SECOND TERM, UNIVERSITY COURSES 1895-96.

Hour.	Subject.	Class.	Days.	Instructor.
8:00	Algebra, Trig.	Freshmen	MTTF	Prof. Thurtell
	Latin	Sophomore L	MTTF	Prof. Church
	Metallurgy	Senior M	MTWTF	Prof. Jackson
	Structural Botany	Sophomore ACL	MTWTF	Prof. Hillman
	Meteorology	Junior A	MW	Prof. Phillips
	Horticulture	Senior A	MWF	Prof. McDowell
	Thermodynamics	Senior H	TTF	Prof. Phillips
	English	Juniors	F	Prof. Cowgill
8:45	Rhetoric	Freshmen	MTWTF	Prof. Cowgill
	Political Economy	Senior LACH	MTWTF	Prof. Lewers
	Calculus	Sophomore MCLH	MTWTF	Prof. Thurtell
	Metallurgy	Junior M	MWF	Prof. Jackson
	Agriculture	Junior A	MWF	Prof. McDowell
	French	Junior L	MTTF	
9:30	Chemistry	Soph. L Fresh. MA	MWF	Prof. Phillips
	Descriptive Geometry	Sophomore MACH	TT	Prof. Hamilton
	Mechanics	Junior MLCH	MTWTF	Prof. Thurtell
	Mining	Senior M	MTWTF	Prof. Jackson
	Forestry	Senior A	MWF	Prof. McDowell
	German	Junior L	MTWT	President Stubbs
	Engineering	Senior C	MWT	Prof. Hamilton
	Applied Chemistry	Senior H	Th	Prof. Phillips
10:15	History	Juniors, Seniors L	MTWTF	Prof. Cowgill
	German	Sophomores LMCH	MTWT	Prof. Church
	Mineralogy	Sophomores MC	MWF	Mr. C. P. Brown
	Physics	Junior MACH	MWF	Prof. Phillips
	Zoology	Sophomore A	TT	Prof. Miller
	Stereotomy	Junior C	TT	Prof. Hamilton
	Astronomy	Senior C	MTWT	Prof. Thurtell
	Anatomy, Physiology	Senior L	MWF	Prof. Miller
	Botany	Freshman AL	MWF	Prof. Hillman
	French	Sophomore L	MTTF	
	Pedagogics	Senior L	MTWTF	Prof. Emery
11:00	Mineralogy	Sophomores MC	MWF	Mr. C. P. Brown
	English	Sophomore L	MTTF	Prof. Cowgill
	Ethics	Senior	MT	President Stubbs
	Surveying	Junior	MWF	Prof. Hamilton
	Railroading	Junior C	TT	Prof. Hamilton
	English	Seniors	W	Prof. Cowgill
	French	Freshman L	MTWTF	
	German	Freshman LMHC	TWTF	President Stubbs
	Spanish	Senior ML	TWF	Prof. Jackson
	Bacteriology	Junior LA	TT	Prof. Miller
11:45	Military Drill	All cadets	MTTF	Lieut. Hamilton
	General Assembly	All students	W	President Stubbs
1:30	Greek	Freshman L	MTWTF	Mr. Unsworth
	Latin	Junior L	MTWT	Prof. Church
2:15	Greek	Sophomore L	MTWT	Mr. Unsworth
	Latin	Freshman L	MTWT	Prof. Church
	English Literature	Junior, Senior L	MWF	Prof. Cowgill
	Pedagogics	Junior L	MTWTF	Prof. Emery

FIRST TERM, INDUSTRIAL, NORMAL, ACADEMY, COMMERCIAL COURSES, 1895-96.

Hour.	Subject.	Class.	Days.	Instructor.
8:00	English Grammar	First year	MTWTF	Miss Bardenwerper
	Rhetoric	Second year IDU First year N	TT	Prof. Cowgill
	Plane Geometry	Third year ID Second year N	MTWTF	Prof. Hamilton
	Geometry, Algebra	Fourth year IN	MTWT	Prof. Thurtell
	Psychology	Third year N	MTWTF	President Stubbs
8:45	Logic	Fourth year N	MWF	Prof. Lewers
	Rhetoric	Fourth year I Third year N	MTWTF	Prof. Cowgill
	Latin	Third year D Second year N	MTWFT	Prof. Church
	French	Second year D	MTWTF	
	Pedagogy	First year N	MWF	Prof. Emery
9:30	Physical Geography	Third year ID Second year N	MTWTF	Prof. Miller
	U. S. History	Second year IDU First year N	MWF	Prof. Lewers
	Penmanship	First year U	TT	Prof. Lewers
	Pedagogy	Third year N	MTWTF	Prof. Emery
	Arithmetic	First year ID	MTWTF	Mr. C. P. Brown
10:15	Latin	First year N Second year D	MTWTF	Prof. Church
	French	Third year D	MTWTF	
	Typewriting	Fourth year I	MTWTF	Prof. Lewers
	Arithmetic	First year U	MTWTF	Prof. Lewers
11:00	Physiology	Third year IN	MWF	Prof. Miller
	Stenography	Fourth year I Second year U	MTWTF	Prof. Lewers
	Pedagogy	Second year N	MTTF	Prof. Emery
	English	Second year N	W	Prof. Emery
	Algebra	Second year ID First year N	MTWTF	Prof. Thurtell
11:45	Military Drill	All cadets	MTTF	Lieut. Hamiltou
	General Assembly	All students	W	President
1:30	Pedagogy	Fourth year N	MTWTF	Prof. Emery
	Latin	Third year N	MTWTF	Prof. Church

SECOND TERM, INDUSTRIAL, NORMAL, ACADEMY, COMMERCIAL COURSES, 1895-96.

Hour.	Subject.	Class.	Days.	Instructor.
8:00	English Grammar	First year IDU	MTWTF	Miss Bardenwerper
	Rhetoric	Second year IDU, First year N	TT	Prof. Cowgill
	Plane Geometry	Third year ID, Second year N	MTWTF	Prof. Hamilton
	Algebra, Trig.	Fourth year IN	MTWT	Prof. Thurtell
	Commercial Law	Second year U	MWF	Prof. Lewers
	Science of Arithmetic	Third year N	MTWTF	Prof. Emery
8:45	Historical Geography	First year ID	MTWTF	Prof. Miller
	Rhetoric	Fourth year I, Third year N	MTWTF	Prof. Cowgill
	History of England	Second year ID, First year N	MTTF	
	Latin	Third year D, Second year N	MTTF	Prof. Church
	Physics	Fourth year N	MTWTF	Prof. Phillips
9:30	Algebra	First year ID	MTWTF	Mr. C. P. Brown
	French	Second year D	MTTF	
	Pedagogy	First year N	MWF	Prof. Emery
	Des. Astronomy	Fourth year N	MTWTF	Prof. Miller
10:15	Civil Government	Third year ID, Second year NU	MTWTF	Prof. Lewers
	Latin	Second year D, First year N	MTWTF	Prof. Church
	Pedagogy	Fourth year N	MTWTF	Prof. Emery
11:00	Algebra	Second year ID, First year N	MTWTF	Prof. Thurtell
	Botany	Third year IN	MTWTF	Prof. Hillman
	Stenography	Fourth year I, Second year U	MTWTF	Prof. Lewers
	French	Third year D	MTWT	
	Pedagogy	Second year N	MTWTF	Prof. Emery
	Ethics	Fourth year N	TT	President Stubbs
11:45	Military Drill	All cadets	MTTF	Lieut. Hamilton
	General Assembly	All students	W	President
1:30	Pedagogy	Third year N	MTWTF	Prof. Emery
2:15	Latin	Third year N	MTWT	Prof. Church

LABORATORY, ALL COURSES, 1895-96—FIRST TERM.

Days.	Subject.	Courses.	Time.
Monday	Chemistry	Sophomore M	2½ hours
	Shop Work	Freshman MAHC	2½ hours
	Assaying	Junior M	2½ hours
	Metallurgy	Senior M	2½ hours
	Drawing	Senior HC	2½ hours
	Agricultural Chemistry	Sophomore A	2½ hours
	Bookkeeping	Second year UN First year IDU	1½ hours
	Freehand Drawing	First year N Second year IDU Third year ID	1½ hours
Tuesday	Chemistry	Sophomore M	2½ hours
	Shop Work	Freshman MACH	2½ hours
	Assaying	Junior M	2½ hours
	Metallurgy	Senior M	2½ hours
	Draughting	Junior C Soph. H Senior M	2½ hours
	Agricultural Chemistry	Sophomore A	2½ hours
	Cryptogamic Botany	Senior A	2½ hours
	Bookkeeping	First year IDU Second year UN	1½ hours
	Sewing	Third year I	2½ hours
	Cooking	Fourth year I	2½ hours
	Music	Fourth year IN Second year N First year N	2½ hours
Wednesday	Chemistry	Sophomore M	2½ hours
	Surveying	Junior MAHC	2½ hours
	Metallurgy	Senior M	2½ hours
	Engineering Drawing	Senior C	2½ hours
	Biology	Sophomore A	2½ hours
	Cryptogamic Botany	Senior A	2½ hours
	Shop Work	First year I Second year I Third year	2½ hours
	Bookkeeping	First year UID Second year U	1½ hours
	Cooking	Fourth year I	2½ hours
	Sewing	Third year I	2½ hours
Thursday	Shop Work	Sophomore MAHC	2½ hours
	Surveying	Junior MAC	2½ hours
	Metallurgy	Senior M	2½ hours
	Engineering Drawing	Senior C	2½ hours
	Shop Work Junior H	Junior H	2½ hours
	Anatomy	Senior A	2½ hours
	Geometrical Drawing	First year I	2½ hours
	Bookkeeping	First year UD	1½ hours
	Freehand Drawing	First year N Second year UID Third year ID	1½ hours
Friday	Workshop	Sophomore MAHC	2½ hours
	Draughting	Junior MC Sophomore H	2½ hours
	Metallurgy	Senior M	2½ hours
	Shop Work	Junior H	2 hours
		First year I	2½ hours
	Anatomy	Senior A	2½ hours
	Bookkeeping	First year UD	1½ hours
	Freehand Drawing	Second year IUD Third year ID	1½ hours

LABORATORY, ALL COURSES, 1895-96—SECOND TERM.

Days.	Subject.	Courses.	Time.
Monday	Chemistry	Freshmen MAHC	2½ hours
	Assaying	Junior M	2½ hours
	Metallurgy	Senior M	2½ hours
	Shop Work	Sophomore AHC / Junior H	2½ hours
	Bacteriology	Junior AL	2½ hours
	Machine Designing	Senior H	2½ hours
	Draughting	Junior C	2½ hours
	Geometrical Drawing	First year I	2½ hours
	Bookkeeping	First year UD / Second year N	1½ hours
	Freehand Drawing	First year N / Second year UID / Third year ID	1½ hours
Tuesday	Chemistry	Freshmen MAHC	2½ hours
	Assaying	Junior M	2½ hours
	Metallurgy	Senior M	2½ hours
	Bacteriology	Junior AL	2½ hours
	Shop Work	Sophomore MAHC / Junior H	2½ hours
	Machine Designing	Senior H	2½ hours
	Draughting	Junior C	2½ hours
	Geometrical Drawing	First year I	2½ hours
	Bookkeeping	First year U / Second year N	1½ hours
	Freehand Drawing	First year N / Second year UID / Third year ID	1½ hours
Wednesday	Chemistry	Sophomore M	2½ hours
	Shop Work	Freshmen LMAHC / First year I	2½ hours
	Surveying	Junior LMAHC	2½ hours
	Metallurgy	Senior M	2½ hours
	Biology	Sophomore AL	2½ hours
	Machine Designing	Senior H	2½ hours
	Draughting	Sophomore H	2½ hours
	Bookkeeping	First year U / Second year N	1½ hours
	Freehand Drawing	First year N / Second year UID / Third year ID	1½ hours
Thursday	Chemistry	Sophomore M	2½ hours
	Shop Work	Freshmen LMAHC / First year I / Second year I	2½ hours
	Surveying	Junior LMAHC	2½ hours
	Metallurgy	Senior M	2½ hours
	Biology	Sophomore AL	2½ hours
	Draughting	Sophomore H	2½ hours
	Physiological Botany	Senior A	2½ hours
	Bookkeeping	First year U / Second year UN	1½ hours
Friday	Chemistry	Sophomore MH	2½ hours
	Metallurgy	Senior M	2½ hours
	Draughting	Junior MH	2½ hours
	Biology	Sophomore ML	2½ hours
	Physiological Botany	Senior A	2½ hours
	Shop Work	Second year I / Third year I	2½ hours
	Bookkeeping	First year U / Second year U	1½ hours

THE NEVADA STATE NORMAL SCHOOL.

GENERAL REMARKS.

The Nevada State Normal School provides for the professional preparation of teachers. As a department of the State University it is possessed of the advantages offered by the well-equipped laboratories and the library and by the strong staff of specialists who compose the University Faculty. The Principal of the Normal School is the Professor of Pedagogy, and has the assistance of two critic teachers in the purely professional and practical work of training teachers.

CONDITIONS OF ADMISSION.

1. Applicants for admission to any of the classes in the Normal School must be at least fifteen years of age, and must have a good moral character.
2. Applicants holding any one of the following credentials may be admitted to the first year without examination:
   - *a.* A teacher's certificate of any grade.
   - *b.* A certificate of promotion from the ninth year of any public school of standard grade.
   - *c.* Applicants from other States and Territories may be admitted on the same terms and conditions as those given to residents of Nevada.
3. Graduates from any of the affiliated high schools of the State will be admitted to the third year upon the presentation of their diploma and a letter of recommendation from the Principal of the high school.
4. At the beginning of the year applicants holding none of the above credentials will be admitted upon examination in the following subjects: Grammar, arithmetic, geography, reading, spelling, elements of algebra to simple equations, and penmanship.

THE NORMAL SCHOOL DIPLOMA.

By the provisions of the State school law, the diploma of the Normal School representing graduation from the four years' course is accepted as evidence of qualification to teach in any school of the State.

ADMITTED TO STATE UNIVERSITY.

Graduates of the Normal School are admitted to the State University by their diplomas, and are credited with the full amount of work done in any subject pursued in the Normal School.

GENERAL REQUIREMENTS.

The standard of student work in the Normal School is intended to be high, and the requirements for passing all subjects with credit will be maintained in all cases. The State is liberal in her provisions for the training of teachers and has a right to the best possible preparation on the part of those who wish to teach in her public schools.

EXPENSES.

The expenses of the student, including board, room, light, and fuel and books, need not exceed the sum of one hundred and fifty dollars per school year.

TRAINING SCHOOL.

The Normal School has a well-organized training school, covering the usual eight years of primary and grammar school work, and offers pupil-teachers ample opportunity to apply practically the instruction received in methods of teaching.

TRAINING SCHOOL PUPILS.

Parents desiring places for their children in the training school must make application in writing to the President of the University, stating age, present attainment in scholarship, and the schools which they have attended. These applications will be considered in their order, and applicants will be examined as vacancies occur in the school. All applications will be considered canceled at the close of each year, ending August 31st. After applicants are given places in the training school, they must procure the prescribed uniform, books, and all necessary supplies before enrollment in their classes. Pupils whose work or conduct is unsatisfactory will be required to withdraw from the school.

SCHEDULE OF STUDIES.

FIRST YEAR.

	First Term.	Second Term.
Professional	Elements of Pedagogy.....3 Child Study.....2	Elements of Psychology.....3 Child Study.....2
Language	Rhetoric with Word Analysis.2 Literary Reading.....2	Rhetoric with Word Analysis.2 Literary Reading.....2
Mathematics	Algebra.....4	Algebra.....4
History	History of the United States and Methods.....3	History of England.....3
Latin	Beginning Latin, Cæsar.....5	Beginning Latin, Cæsar.....5
Exercises	Freehand Drawing.....3 Vocal Music.....2	Freehand Drawing.....3 Vocal Music.....2

SECOND YEAR.

	First Term.	Second Term.
Professional	Methods of teaching.....5 Practice Teaching.	History of Education.....5 Practice Teaching.
Language	Composition and Literary Reading.....2	Composition and Literary Reading.....2
Mathematics	Plane Geometry.....5	Plane Geometry.....5
Science	Physical Geography.....5	Civil Government.....5 School Law.
Latin	Cæsar and Cicero, with Prose Composition.....5	Cæsar and Cicero, with Prose Composition.....5
Exercises	Bookkeeping.....2 Music.....2	Bookkeeping.....2 Music.....2

THIRD YEAR.

	First Term.	Second Term.
Professional	Psychology ..... 5 Practice Teaching.	Philosophy of Education ..... 4 Practice Teaching.
Language	Rhetoric and Literature 5	Rhetoric and Literature 5
Mathematics	.....	Science of Arithmetic, with Methods 5
History	General History 5	.....
Science	Physiology 3	Botany 5
Latin (elective)	Ovid, Vergil's Bucolics 3	Vergil's Æneid 3
Exercises	Music and Elocution 3	Music and Elocution 3

SENIOR YEAR.

	First Term.	Second Term.
Professional	Special methods ..... 5 Practice Teaching.	Special Methods ..... 5 Practice Teaching. Ethics 2
Language	Logic ..... 3 English Grammar 2	.....
Science	Chemistry 5	Physics ..... 5 Desc. Astronomy 5
Exercises	Literary Reading and Composition.	Literary Reading and Composition.
Mathematics	Algebra and Geometry 4	Algebra and Trigonometry 4

NOTE—Latin is an elective the third year to students who have advanced credits equal to three hours a week for one year.

UNIVERSITY PREPARATORY SCHOOLS.

I.—THE UNIVERSITY ACADEMY.

GENERAL STATEMENT.

In order to secure adequate preparation for the University and to offer the advantages of thorough high school training to the many young people who live in sections of the State where there are no high schools, the authorities have organized the preparatory department, to be designated the University Academy.

COURSE OF STUDY.

The course of study covers the usual high school period of three years. So far as possible, this course follows that prescribed by the State Board of Education for the high schools of the State. The text books to be used will not be announced until after a conference is held with the Principals of the high schools and with the State Board of Education, that uniformity of action may be arranged.

CONDITIONS OF ADMISSION.

For admission to the Academy applicants will be required to present a certificate of grades for the full course of an approved grammar school, or pass an examination upon the subjects usually completed within the eight years of the primary and grammar grades, viz: Arithmetic, language, descriptive geography, reading and penmanship. Pupils of the public schools of Reno will not be admitted to the Academy, inasmuch as the Reno High School makes ample provision for all the residents of Reno.

PREPARATORY COURSES OF STUDY, UNIVERSITY.

For Liberal Arts.		*For School of Applied Sciences.*	
	FIRST YEAR.		
First Term.		*First Term.*	
Arithmetic	5	Arithmetic	5
English Grammar	4	English Grammar	4
Composition	1	Composition	1
Bookkeeping	5	Bookkeeping	5
Elocution	1	Elocution	1
Second Term.		*Second Term.*	
Algebra	5	Algebra	5
English Grammar	4	English Grammar	4
Composition	1	Composition	1
Historical and Commercial Geography	5	Historical and Commercial Geography	5
Elocution	1	Elocution	1

First year course same for all University schools. Five essays, 300 to 600 words, to be written, corrected and rewritten in a book.

BOOKS TO BE READ: The Sketch Book, Snow Bound, Sir Roger de Coverly, Rasselas, Picciola.

SECOND YEAR.

First Term.		*First Term.*	
Algebra	5	Algebra	5
Beginning Latin, Cæsar	5	French	5
History of United States	3	History of United States	3
Rhetoric	2	Rhetoric	2
Freehand Drawing	3	Freehand Drawing	3
Second Term.		*Second Term.*	
Algebra	5	Algebra	5
Beginning Latin, Cæsar	5	French	5
History of England	3	History of England	3
Rhetoric	2	Rhetoric	2
Freehand Drawing	3	Freehand Drawing	3

BOOKS TO BE READ: Carlyle's Choice of Books, Hawthorne's House of Seven Gables, Scott's The Talisman, Macaulay's Essays on Chatham and Hastings, and his Lays of Ancient Rome.

THIRD YEAR.

First Term.		*First Term.*	
Plane Geometry	5	Plane Geometry	5
Latin	5	French	5
Physical Geography	5	Physical Geography	5
Freehand Drawing	3	Freehand Drawing	3
Second Term.		*Second Term.*	
Plane Geometry	5	Plane Geometry	5
Latin	5	French	5
Civil Government	5	Civil Government	5
Freehand Drawing	3	Freehand Drawing	3

BOOKS TO BE READ: Dickens' Christmas Carols and Tale of Two Cities, Scott's Lady of the Lake, Lowell's The Vision of Sir Launfal, Emerson's Essays on Beauty, Culture, Behavior, Shakespeare's The Merchant of Venice and Julius Cæsar.

NOTE—Two hours a week in vocal music throughout the three years.

II.—THE UNIVERSITY COMMERCIAL SCHOOL.

GENERAL STATEMENT.

The demand for a preparatory school which gives thorough discipline in the elements of an English education, equivalent to that given by the grammar schools, combined with special training in theoretical and practical bookkeeping, business usages and laws, stenography and typewriting, holds a worthy place in the view of those educators who have regard to the practical needs of many young people.

COURSE OF STUDY.

The course of study is complete within itself, and includes all the subjects necessary to a limited practical business training.

STANDARD AND DIPLOMA.

The Principal of this school will require the most thorough work, and diplomas will be granted only to those who complete the course of study with signal credit. Diplomas will be granted at any time upon the satisfactory completion of the course.

CONDITIONS OF ADMISSION.

The requirements for admission are *reading*, *writing* and *spelling*, English grammar to syntax, arithmetic to interest, descriptive geography. These subjects must be well understood.

FIRST YEAR.

First Term.		*Second Term.*	
Bookkeeping	5	Bookkeeping	5
English Grammar	5	English Grammar	5
Arithmetic	5	Arithmetic	5
Penmanship	3	Typewriting	5
Military Drill	1	Military Drill	1

SECOND YEAR.

First Term.		*Second Term.*	
Bookkeeping	5	Stenography	5
Stenography	5	Civil Government	5
History of United States	3	Rhetoric	2
Rhetoric	2	Commercial Law	5
Freehand Drawing	3	Freehand Drawing	3
Military Drill	1	Military Drill	1

ELECTIVES.

Shop Work in Practical Mechanics may be elected the second year by those prepared to take it.

Telegraphy may be elected the second term of the second year.

REQUIRED READING AND COMPOSITION.

First year: Five essays, 300 to 600 words, to be written, corrected and rewritten in a book. The Sketch Book, Snow Bound, Sir Roger de Coverly, Rasselas, and Picciola to be read.

Second year: Special work in composition and elocution. Carlyle's Choice of Books, Hawthorne's House of Seven Gables, Scott's The Talisman, Macaulay's Essays on Chatham and Hastings, and his Lays of Ancient Rome.

MILITARY ESTABLISHMENT.

COMMANDANT.

FIRST LIEUTENANT W. R. HAMILTON, 5TH ARTILLERY, U. S. A.

FIELD AND STAFF.

Cadet Major ..... R. L. Osborn
Cadet First Lieutenant and Adjutant ..... J. H. Clemons
Cadet Quartermaster-Sergeant ..... Albert Ward
Cadet Sergeant-Major ..... J. M. L. Henry
Cadet Signal Corporal ..... G. Waltz

COMPANY A.

Commissioned Officers.

Cadet Captain ..... S. W. Durkee
Cadet First Lieutenant ..... F. W. Linscott
Cadet Second Lieutenant ..... Peter Fransden

Non-Commissioned Officers.

Cadet First Sergeant ..... A. W. Cahlan
Cadet Sergeant ..... J. S. Egan
Cadet Sergeant ..... E. W. Powers
Cadet Sergeant ..... W. Seagraves
Cadet Sergeant ..... A. Hansen
Cadet Color Sergeant ..... F. R. Carpenter
Cadet Corporal ..... W. L. Brandon
Cadet Corporal ..... James Wright

COMPANY B.

Commissioned Officers.

Cadet Captain ..... F. H. Saxton
Cadet First Lieutenant ..... W. J. Flood
Cadet Second Lieutenant ..... A. W. Flood

Non-Commissioned Officers.

Cadet First Sergeant ..... A. P. Mack
Cadet Sergeant ..... W. W. Wright
Cadet Sergeant ..... O. T. Williams
Cadet Sergeant ..... F. E. Walts
Cadet Sergeant ..... G. R. Bliss
Cadet Sergeant ..... H. B. Maxon
Cadet Corporal ..... J. A. Fulton
Cadet Corporal ..... M. P. Ward

GRADUATES.

For the Year 1891.

Frederick Amos Bristol, B.A.	Liberal Arts	Johannesberg, South Africa
Henry Colman Cutting, B.A.	Liberal Arts	Carson City
Frank Herbert Norcross, B.A.	Liberal Arts	Reno

For the Year 1892.

Blanche Davis, B.A.	Liberal Arts	Carson City
Albert Moses Lewers	Mines	Washington, D. C.

For the Year 1893.

Agnes Bell, B.A.	Liberal Arts	Reno
Charles Peleg Brown, B.S.	Mines	Reno
Edwin Emmett Cain, B.A.	Liberal Arts	Verdi
Charles Ross Lewers, B.A.	Liberal Arts	Palo Alto
Ina Hannah Stiner, B.A.	Liberal Arts	Eagleville
Hugh Smith Swan, B.S.	Mines	Minas Prietas, Mexico

For the Year 1894.

Frederick Charles Frey, B.S.	Mines	Minas Prietas, Mexico
Charles Magill, B.S.	Mines	Reno
Anna Henrietta Martin, B.A.	Liberal Arts	Palo Alto, Cal.
Anna Helen Schadler, B.A.	Liberal Arts	Wells
Harry Emanuel Stewart	Mines	Reno

For the Year 1895.

Fredrica Louise Blum, B.A.	Liberal Arts	Reno
Samuel Clarke Durkee, B.S.	Agriculture and Mechanic Arts	Reno
Joseph Durkee, B.S.	Mines	Reno
Albert James Flood, B.S.	Mines	Virginia
Winfield John Flood, B.S.	Mines	Virginia
Peter Peterson Fransden, B.A.	Liberal Arts	Verdi
Stella Linscott, B.A.	Liberal Arts	Reno
Ralph Lemmon Osborn, B.S.	Mines	Reno
Mary Ellen North, B.A.	Liberal Arts	Eureka
William Henry North, B.A.	Liberal Arts	Eureka
Frank Henry Saxton, B.S.	Mines	Carson City
Alice Mabel Stanaway, B.A.	Liberal Arts	Reno
Theodora Waters Stubbs, B.A.	Liberal Arts	Reno
Grace Viola Ward, B.A.	Liberal Arts	Reno

NEVADA STATE NORMAL SCHOOL.

For the Year 1889.

Maud Daugherty	Palisade
May Louise Middour, *nee* Sherman	Reno
Clarence Dunn Van Duzer	Washington, D. C.
Lillian May Werner	Empire

For the Year 1890.

Blanche Atherton	Carson
Mary Clough	Reno
Frances Antoinette Frey	Reno
Helena Joy	Reno
Jennie McFarlin	Brown's
Adeline Morton	Carson
Hattie Rhodes	Reno
Annie Olcovich	Carson
Elizabeth Savage	Carson
Julia Mary Snow	Reno
Charlotte Shaber	Glendale
Persia Lemmon	Reno

For the Year 1891.

Mary Applegate	Reno
Mary Rose Clark	Reno
William Crebo Hancock	Dayton
Kate Frost Kinney	Glendale
Mary Frances Lane	Reno
Louisa Lewis	Reno
Ottillia Ida Irene Quadri	Reno
Ella Maud Truscott	Gold Hill
Arda Frances Van Duzer	Reno
Mabel Wallace	Fowler, Cal.
Grace Viola Ward	Reno

For the Year 1892.

Estella B. Ede	Reno
Cora May Brown, *nee* Ede	Reno
Mary Margaret Mayberry	Laughton's
Clara Alma Taylor	Lovelock

For the Year 1893.

Rena Palmer Allison	Ogden, Utah
Minnie Ella Bunker	Stanislaus, Cal.
Clara Emma Litch	Reno
Grace Estella Palmer	Ogden, Utah
Stella Rhodes	Reno
Stella Nevada Webster	Reno

For the Year 1894.

Josephine Mary Blum	Mineral Hill
Thomas Arthur Brandon	Reno
Jennie Vaughan Jameson	Verdi
Cora Elizabeth Light	Spencerville, Cal.
Katherine Orilla Mapes	Los Angeles, Cal.
Lucy Virginia Parker	Franktown
Josephine Emma Robertson	Eureka
Lola Nella Dunkle, *nee* Thoms	Reno
Ottilia Margaret Zecherle	Virginia
Frances Wright	Brown's

For the Year 1895.

May Allen	Silver City
Eva Irene Bradshaw	Carlin
Marion Edmonds	Virginia
Edna Nevada Catlin	Carson
Helen Murphy	Empire
Kate Isabelle Robb	Reno
Mary Anna Robb	Reno
Wilhelmina Ottilia Sadler	Eureka
Ina Hannah Stiner	Eagleville, Cal.

COMMERCIAL DEPARTMENT.

For the Year 1889.

Frank Amos Barnes ..... Los Angeles, Cal.
Maud Daugherty ..... Palisade
George Clarence Goe ..... San Francisco, Cal.
Lottie Josephine Ferguson, *nee* Mapes ..... St. Clair
John Beniah Winfrey ..... Camden, Arkansas

For the Year 1890.

Crissie H. Caughlin, *nee* Andrews ..... Reno
George Bates ..... Reno
Estella Ede ..... Reno
Jennie Lachman ..... Reno
Nellie Little ..... Reno
Charles Magill ..... Reno
Franklin J. Powers ..... Cedarville, Cal.
Clara Richardson ..... Portland, Oregon
Thomas Robb ..... Reno
Helen Mar Shelby ..... Carson City

For the Year 1891.

Thomas Clinton Butterly ..... West Point
Charles Albert Goe ..... San Francisco, Cal.
Cora Elizabeth Light ..... Spencerville, Cal.
Ella Tilda Malone ..... Independence, Cal.
Sadie Fern Malone ..... Independence, Cal.
Florence Mabel Phelps, *nee* Nash ..... Reno
Roy Lampman Robinson ..... Glendale
Clarence Edward Titus ..... Colorado Springs, Colorado
Mary Van Reed ..... Lovelock

For the Year 1892.

Florence Abrahams ..... Reno
Cora Larson ..... Lovelock
Clarence Christian Larson ..... Lovelock
George Ardie Robinson ..... Glendale
Ida Sauer ..... Washoe
Clara Alma Taylor ..... Lovelock
Albert Weston Ward ..... Reno

For the Year 1893.

Charles Francis Byrne ..... Truckee, Cal.
Emma Kate Cambridge ..... Reno
Albert Franklin Cunningham ..... Sierraville
Daniel Warren Dillard .....
Claud Robert Ford ..... Eureka
Mary Ella Harrison ..... Lovelock
James Kirman Mayberry ..... Reno
Henry Jay White ..... Lone Pine, Cal.

For the Year 1894.

Frederick Robert Carpenter ..... Paradise
Fred Amos Cornelison ..... Janesville
Alice Gertrude Kline ..... Reno
Lydia Zoe Lonkey ..... Verdi
Katherine Riegelhuth ..... Reno
John Wesley Thompson ..... Beckwith
Herbert Owen Winfrey ..... Camden, Arkansas

For the Year 1895.

Gabriella Delmas	Reno
Annie Margaret Foster	Carlin
Florence Linton Lamb	Reno
Walter Clark Lamb	Reno
Frances Elizabeth Longley	Reno
Herbert Burdell Maxson	Reno
John William Wright	Reno
Nellie Wright	Reno

ROSTER OF STUDENTS, 1894–95.

UNIVERSITY SCHOOLS.

SENIOR YEAR.

Fredrica Louise Blum	Liberal Arts	Reno
Joseph Durkee	Mines	Reno
Samuel Clark Durkee	Agriculture and Mechanic Arts	Reno
Albert James Flood	Mines	Virginia
Winfield John Flood	Mines	Virginia
Peter Peterson Frandsen	Liberal Arts	Verdi
Stella Linscott	Liberal Arts	Cedarville
Mary Ellen North	Liberal Arts	Eureka
William Henry North	Liberal Arts	Eureka
Ralph Lemmon Osburn	Mines	Reno
Frank Henry Saxton	Mines	Carson
Alice Mabel Stanaway	Liberal Arts	Reno
Theodora Waters Stubbs	Liberal Arts	Reno
Grace Viola Ward	Liberal Arts	Reno

JUNIOR YEAR.

William L. Brandon	Liberal Arts	Reno
Addie M. Boyd	Liberal Arts	Reno
Albert W. Cahlan	Agriculture and Mechanic Arts	Susanville
Jay H. Clemons	Liberal Arts	Virginia
Louise Frey	Liberal Arts	Reno
Andrew Hanson	Mines	Virginia
John M. L. Henry	Mines	Reno
Gertrude Hironymous	Liberal Arts	Cedarville
Fred M. Linscott	Agriculture and Mechanic Arts	Cedarville
Arthur P. Mack	Mines	Dayton
Mae E. Palmer	Liberal Arts	Reno
Emmet A. Powers	Agriculture and Mechanic Arts	Eagleville, Cal.
William H. Segrave	Mines	Reno
Laura Smith	Liberal Arts	Reno
Fred E. Walts	Liberal Arts	Reno
Otto T. Williams	Liberal Arts	Reno
Albert W. Ward	Liberal Arts	Reno
Mildred M. Wheeler	Liberal Arts	Reno

SOPHOMORE YEAR.

George R. Bliss	Mines	Reno
Gertrude Bonham	Liberal Arts	Reno
Robert M. Brambila	Agriculture and Mechanic Arts	Carson
John J. Bristol	Mines	Reno
Leonard G. Ede	Liberal Arts	Reno
Alice E. Edmunds	Liberal Arts	Virginia
Amy G. Edmunds	Liberal Arts	Virginia
John Newton Evans, Jr.	Mines	Reno
Martin A. Feeney	Mines	Virginia
Pauline Fife	Liberal Arts	Reno

Victoria J. Godfroy	Liberal Arts	Virginia
Jerome B. Higgins	Mines	Reno
Edmund D. Lachman	Mines	Reno
Howard J. Lackey	Liberal Arts	Gold Hill
Charles E. Loder	Mines	Reno
John R. Magill	Mines	Reno
Grace R. Maxwell	Liberal Arts	San Francisco, Cal.

FRESHMEN.

Maude Neva Bruette	Liberal Arts	Wellington
Minnie B. Bishop	Liberal Arts	Reno
Bayard T. Bulmer	Liberal Arts	Virginia
Felice Cohn	Liberal Arts	Carson
Samuel B. Doten	Liberal Arts	Reno
Dennis M. Duffy	Liberal Arts	Austin
Philip E. Emery	Mines	Reno
Wilbur S. Everett	Mines	Reno
Donald R. Finlayson	Mines	Quincy, Cal.
John A. Fulton	Mines	Reno
Stanley B. Hamilton	Mines	Reno
Loretta R. Hickey	Liberal Arts	Empire
Oliver H. Hobbs*	Liberal Arts	Gold Hill
Helen Keddie	Liberal Arts	Quincy, Cal.
Edwin E. Knapp	Mines	Hawthorne
Ellen Rosa Lewers	Liberal Arts	Franktown
William J. Luke	Mines	Reno
Arthur M. McIntosh	Liberal Arts	Lovelock
Olive E. McKissick	Liberal Arts	Reno
William McLaughlin	Mines	Reno
Clara Louise Martin	Liberal Arts	Reno
Rosalia Murphy	Liberal Arts	Reno
David J. Park	Agriculture and Mechanic Arts	Sheridan
Sadie Phillips	Liberal Arts	Reno
Elizabeth S. Stubbs	Liberal Arts	Reno
Carl Stoddard	Mines	Reno
John J. Sullivan	Liberal Arts	Virginia
John Sunderland	Liberal Arts	Reno
Roy Sunderland	Mines	Reno
Robert E. Tally	Mines	Virginia
John W. Thompson	Mines	Quincy, Cal.
Maude Thompson	Liberal Arts	Franktown
Guy Walts	Liberal Arts	Reno
W. Oscar Woodbury	Liberal Arts	Empire
Francis J. Young	Liberal Arts	Reno

*Deceased.

NEVADA STATE NORMAL SCHOOL.

THIRD YEAR.

May Allen	Silver City
Eva I. Bradshaw	Battle Mountain
Edna N. Catlin	Carson
Marion Edmunds	Virginia
Mary W. Geer	Dansville, Michigan
Helen Murphy	Empire
Kate I. Robb	Reno
Mary A. Robb	Reno
Wilhelmina O. Sadler	Eureka
Ina H. Stiner	Eagleville, Cal.

SECOND YEAR.

Lillian Campbell	Reno
Ella C. Duffy	Austin
Nathaniel Dunsdon	Silver Creek
Maude L. Douglas	Reno
Mary A. Erwin	Virginia
Lucy M. Grimes	Reno
Margaret B. Hymers	Reno
Lillian M. Jones	Virginia
Edith McLear	Mohawk, Cal.
Agnes J. Maxwell	Reno
Katharine Mayberry	Reno
Hattie B. Paris	Reno
Hazel B. Rulison	Reno
Augusta M. Saxton	Carson
Carrie M. Seavey	Reno
Lillian M. Virgin	Genoa

FIRST YEAR.

Mae C. Adams	Carlin
Frances Bell Allen	Silver City
Nettie Benson	Reno
Winnie E. Bowman	Reno
Anastesia Desmond	Red Rock, Cal.
Grace Dill	Amedee, Cal.
Grace Doyle	Red Rock, Cal.
Edna E. Evans	Purdy's, Cal.
Martha C. Fanning	Virginia
Donald R. Fraser	Carson
Charlotte E. Gladding	Lincoln, Cal.
Rose Gooding	Reese River
Martha Gould	Fruitvale, Cal.
Marion S. Gregory	Washoe City
Emma V. Griffin	Reno
Julia Groton	Reno
Maude Haines	Genoa
Pearl Hart	Reno
Edith F. Hurd	Virginia
Cecil M. Linn	Reno
Cora H. Loring	Reno
Minnie M. Lounsbury	Reno
Clara Lupton	Reno
Cora N. McFarlin	Reno
Margaret McMillan	Paradise
Leona Mitchell	Reno
Sadie Mitchell	Verdi
Carrie C. Neilson	Steamboat
Martha M. Parker	Portland, Oregon
Ethel M. Peckham	Reno
May Belle Penrose	Gold Hill
Leolyne A. Remington	Reno
Nellie B. Robbins	Reno
Edna M. Robison	Reno
Bessie Rousseau	Eureka
Elizabeth Shaver	Reno
Aimee A. Sherman	Reno
Arthur W. Stiner	Eagleville, Cal.
Jennie L. Sweetman	Reno
Alice Thompson	Reno
Bertha E. Twombly	Reno

UNIVERSITY COMMERCIAL SCHOOL.

SECOND YEAR.

Alfred C. Cunningham	Reno
Gabriella Delmas	Reno
Henry F. Ebert	Beowawe
Annie M. Foster	Carlin
Robert T. Frazer	Reno
Scott E. Jameson	Reno
Florence L. Lamb	Reno
Walter Clark Lamb	Reno
Frances E. Longley	Reno
Herbert B. Maxson	Reno
Hattie Ridenour	Reno
Irvine Ross	Reno
Justus E. Taylor	Reno
Robert A. Trimble	Beckwith, Cal.
John W. Wright	Reno
Nellie Wright	Reno

FIRST YEAR.

Lizzie Allen	St. Clair
Bertha Bender	Reno
Catherine Blackburn	Reno
Nelson Bruette	Wellington
Alson Dawson	Reno
Chrissie Eason	Reno
Ellen W. Eason	Reno
Edith E. Evans	Purdy's, Cal.
Grace E. Evans	Purdy's, Cal.
William P. Foley	Carson
Donald G. Fraser	Carson
Daniel W. Gault	Reno
George Graff	Reno
Ernest Hollingsworth	Reno
Morris Jacobs	Reno
John B. Jones	Austin
David W. Park	Sheridan
Centennia M. Roeder	Pioche
George O. Sawyer	Pioche
Alfred M. Smith	Red Rock, Cal.
Edward G. Stanley	Virginia
John Sullivan	Empire
Chas. A. R. Thompson	Pioche
Archie G. Taft	Eureka
Ralph W. Travers	Eureka
James W. Wright	Reno

SPECIAL STUDENTS.

Annie Armstrong	Reno
Florence Abrahams	Reno
Bertha E. Aitken	Reno
John F. Aitken	Reno
Lahira J. Barber	Eagleville, Cal.
George W. Barnett	Coleville, Cal.
Charles F. Becker	Reno
Katheryn Becker	Reno
Agnes E. Bell	Reno

Clara Bender	Reno
Mary G. Bird	Reno
Josephine M. Blum	Reno
Maude M. Bradley	Reno
Charles E. Burney	Beckwith, Cal.
Fred R. Carpenter	Paradise
Florence H. Church	Reno
Janette Colman	Reno
Dwight A. Dawson	Reno
Clara G. Dickinson	Reno
William S. Driver	Sacramento, Cal.
Mary I. Duffy	Reno
Philip Duffy, Jr.	Reno
John Dunsdon	Silver Creek
Harry D. Edwards	Carson
James S. Egan	Virginia
Joseph Frey, Jr.	Reno
Catharine E. Gloster	Loyalton, Cal.
Mary E. Harrison	Lovelock
Fred Hellman (non-resident student)	Virginia
Minnie M. Hillman	Reno
Hattie Hinds	Beckwith, Cal.
Mrs. C. Hobbins	Reno
George P. Holman	Reno
James C. Huff	Beckwith, Cal.
Thomas F. Huffaker	Reno
Boadicea T. Jameson	Reno
Thomas S. Kanay	Palisade
Kate Kearney	Empire
Rebecca Kelley	Reno
Allan Kinkead (non-resident student)	Virginia
Alice G. Kline	Reno
M. C. Lake	Reno
Annie McLaughlin	Reno
Chas. McGill	Reno
Vivian McNees	Reno
George L. Mapes	Reno
Grace Maynard	Reno
Lester R. Merrill	Verdi
Bertha Nowottny	Reno
Herbert W. Palmer	Reno
Ellis H. Paris	Reno
Bessie K. Patton	Virginia
Elizabeth M. Poor	Reno
Morton Pratt	Reno
Raymond Reese	Reno
Daisy J. Remington	Reno
Gladys Reynolds	Reno
Charles P. Richards	Lovelock
Elwood Richardson	Reno
Kate Riegelhuth	Reno
John F. Roeder	Pioche
Clark C. Rowland	Long Valley, Cal.
Martha M. Russell	Elko
Ruth A. Russell	Elko
Harry E. Stewart	Reno
Katherin Sunderland	Reno
Elizabeth J. Trimble	Beckwith, Cal.

Martin P. Ward	Reno
Nellie M. Williams	Genoa
Josiah J. Wilson	Reno
William W. Wright	Reno
Nellie T. Ziegler	Reno

SUMMARY.

UNIVERSITY SCHOOLS.

School of Liberal Arts—		
Seniors	8	
Juniors	11	
Sophomores	8	
Freshmen	22	
		49
School of Mines—		
Seniors	5	
Juniors	4	
Sophomores	8	
Freshmen	12	
		29
School of Agriculture and Mechanic Arts—		
Seniors	1	
Juniors	3	
Sophomores	1	
Freshmen	1	
		6

STATE NORMAL SCHOOL.

Third year students	10	
Second year students	16	
First year students	41	
		67

COMMERCIAL SCHOOL.

Second year students	16	
First year students	26	
		42
Special students		72
Total		265

GENERAL INDEX.


TYPOGRAPHICAL
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